WATER POLLUTION ABATEMENT PLAN
FOR
AFHC PARKING EXPANSION
TOWN OF HOLLYWOOD PARK, BEXAR COUNTY

Prepared by:

ENGINEERING + SURVEYING

111 Tower Drive, Suite 325
San Antonio, TX 78232
210-774-5504
TBPE FIRM 17992

Prepared for:

Alamo Feline Health Center, PA
16201 San Pedro Ave
Hollywood Park, TX 78232

June 28, 2024

Texas Commission on Environmental Quality

Edwards Aquifer Application Cover Page

Our Review of Your Application

The Edwards Aquifer Program staff conducts an administrative and technical review of all applications. The turnaround time for administrative review can be up to 30 days as outlined in 30 TAC 213.4(e). Generally administrative completeness is determined during the intake meeting or within a few days of receipt. The turnaround time for technical review of an administratively complete Edwards Aquifer application is 90 days as outlined in 30 TAC 213.4(e). Please know that the review and approval time is directly impacted by the quality and completeness of the initial application that is received. In order to conduct a timely review, it is imperative that the information provided in an Edwards Aquifer application include final plans, be accurate, complete, and in compliance with 30 TAC 213.

Administrative Review

1. Edwards Aquifer applications must be deemed administratively complete before a technical review can begin. To be considered administratively complete, the application must contain completed forms and attachments, provide the requested information, and meet all the site plan requirements. The submitted application and plan sheets should be final plans. Please submit one full-size set of plan sheets with the original application, and half-size sets with the additional copies.

   To ensure that all applicable documents are included in the application, the program has developed tools to guide you and web pages to provide all forms, checklists, and guidance. Please visit the below website for assistance: http://www.tceq.texas.gov/field/eapp.

2. This Edwards Aquifer Application Cover Page form (certified by the applicant or agent) must be included in the application and brought to the administrative review meeting.

3. Administrative reviews are scheduled with program staff who will conduct the review. Applicants or their authorized agent should call the appropriate regional office, according to the county in which the project is located, to schedule a review. The average meeting time is one hour.

4. In the meeting, the application is examined for administrative completeness. Deficiencies will be noted by staff and emailed or faxed to the applicant and authorized agent at the end of the meeting, or shortly after. Administrative deficiencies will cause the application to be deemed incomplete and returned.

   An appointment should be made to resubmit the application. The application is re-examined to ensure all deficiencies are resolved. The application will only be deemed administratively complete when all administrative deficiencies are addressed.

5. If an application is received by mail, courier service, or otherwise submitted without a review meeting, the administrative review will be conducted within 30 days. The applicant and agent will be contacted with the results of the administrative review. If the application is found to be administratively incomplete, it can be retrieved from the regional office or returned by regular mail. If returned by mail, the regional office may require arrangements for return shipping.

6. If the geologic assessment was completed before October 1, 2004 and the site contains “possibly sensitive” features, the assessment must be updated in accordance with the *Instructions to Geologists* (TCEQ-0585 Instructions).

Technical Review

1. When an application is deemed administratively complete, the technical review period begins. The regional office will distribute copies of the application to the identified affected city, county, and groundwater conservation district whose jurisdiction includes the subject site. These entities and the public have 30 days to provide comments on the application to the regional office. All comments received are reviewed by TCEQ.

2. A site assessment is usually conducted as part of the technical review, to evaluate the geologic assessment and observe existing site conditions. The site must be accessible to our staff. The site boundaries should be

clearly marked, features identified in the geologic assessment should be flagged, roadways marked and the alignment of the Sewage Collection System and manholes should be staked at the time the application is submitted. If the site is not marked the application may be returned.

3. We evaluate the application for technical completeness and contact the applicant and agent via Notice of Deficiency (NOD) to request additional information and identify technical deficiencies. There are two deficiency response periods available to the applicant. There are 14 days to resolve deficiencies noted in the first NOD. If a second NOD is issued, there is an additional 14 days to resolve deficiencies. If the response to the second notice is not received, is incomplete or inadequate, or provides new information that is incomplete or inadequate, the application must be withdrawn or will be denied. Please note that because the technical review is underway, whether the application is withdrawn or denied **the application fee will be forfeited**.

4. The program has 90 calendar days to complete the technical review of the application. If the application is technically adequate, such that it complies with the Edwards Aquifer rules, and is protective of the Edwards Aquifer during and after construction, an approval letter will be issued. Construction or other regulated activity may not begin until an approval is issued.

Mid-Review Modifications

It is important to have final site plans prior to beginning the permitting process with TCEQ to avoid delays.

Occasionally, circumstances arise where you may have significant design and/or site plan changes after your Edwards Aquifer application has been deemed administratively complete by TCEQ. This is considered a "Mid-Review Modification". Mid-Review Modifications may require redistribution of an application that includes the proposed modifications for public comment.

If you are proposing a Mid-Review Modification, two options are available:

- If the technical review has begun your application can be denied/withdrawn, your fees will be forfeited, and the plan will have to be resubmitted.
- TCEQ can continue the technical review of the application as it was submitted, and a modification application can be submitted at a later time.

If the application is denied/withdrawn, the resubmitted application will be subject to the administrative and technical review processes and will be treated as a new application. The application will be redistributed to the affected jurisdictions.

Please contact the regional office if you have questions. If your project is located in Williamson, Travis, or Hays County, contact TCEQ's Austin Regional Office at 512-339-2929. If your project is in Comal, Bexar, Medina, Uvalde, or Kinney County, contact TCEQ's San Antonio Regional Office at 210-490-3096

Please fill out all required fields below and submit with your application.

1. Regulated Entity Name: AFHC Parking Expansion						**2. Regulated Entity No.:**			
3. Customer Name: Alamo Feline Health Center, PA						**4. Customer No.:**			
5. Project Type: **(Please circle/check one)**	(New)		Modification			Extension		Exception	
6. Plan Type: **(Please circle/check one)**	(WPAP)	CZP	SCS	UST	AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: **(Please circle/check one)**	Residential		(Non-residential)			**8. Site (acres):**			0.42
9. Application Fee:	$5,000		**10. Permanent BMP(s):**			vegetative filter strips			
11. SCS (Linear Ft.):	N/A		**12. AST/UST (No. Tanks):**			N/A			
13. County:	Bexar		**14. Watershed:**			Lorence Creek			

Application Distribution

Instructions: Use the table below to determine the number of applications required. One original and one copy of the application, plus additional copies (as needed) for each affected incorporated city, county, and groundwater conservation district are required. Linear projects or large projects, which cross into multiple jurisdictions, can require additional copies. Refer to the "Texas Groundwater Conservation Districts within the EAPP Boundaries" map found at:

http://www.tceq.texas.gov/assets/public/compliance/field_ops/eapp/EAPP%20GWCD%20map.pdf

For more detailed boundaries, please contact the conservation district directly.

Austin Region			
County:	**Hays**	**Travis**	**Williamson**
Original (1 req.)	__	__	__
Region (1 req.)	__	__	__
County(ies)	__	__	__
Groundwater Conservation District(s)	__Edwards Aquifer Authority __Barton Springs/ Edwards Aquifer __Hays Trinity __Plum Creek	__Barton Springs/ Edwards Aquifer	NA
City(ies) Jurisdiction	__Austin __Buda __Dripping Springs __Kyle __Mountain City __San Marcos __Wimberley __Woodcreek	__Austin __Bee Cave __Pflugerville __Rollingwood __Round Rock __Sunset Valley __West Lake Hills	__Austin __Cedar Park __Florence __Georgetown __Jerrell __Leander __Liberty Hill __Pflugerville __Round Rock

San Antonio Region					
County:	**Bexar**	**Comal**	**Kinney**	**Medina**	**Uvalde**
Original (1 req.)	X	__	__	__	__
Region (1 req.)	X	__	__	__	__
County(ies)	X	__	__	__	__
Groundwater Conservation District(s)	X Edwards Aquifer Authority X Trinity-Glen Rose	__Edwards Aquifer Authority	__Kinney	__EAA __Medina	__EAA __Uvalde
City(ies) Jurisdiction	__Castle Hills __Fair Oaks Ranch __Helotes __Hill Country Village X Hollywood Park __San Antonio (SAWS) __Shavano Park	__Bulverde __Fair Oaks Ranch __Garden Ridge __New Braunfels __Schertz	NA	__San Antonio ETJ (SAWS)	NA

I certify that to the best of my knowledge, that the application is complete and accurate. This application is hereby submitted to TCEQ for administrative review and technical review. UP Engineering + Surveying
Print Name of Customer/Authorized Agent 6/28/24
Signature of Customer/Authorized Agent Date

FOR TCEQ INTERNAL USE ONLY				
Date(s)Reviewed:		Date Administratively Complete:		
Received From:		Correct Number of Copies:		
Received By:		Distribution Date:		
EAPP File Number:		Complex:		
Admin. Review(s) (No.):		No. AR Rounds:		
Delinquent Fees (Y/N):		Review Time Spent:		
Lat./Long. Verified:		SOS Customer Verification:		
Agent Authorization Complete/Notarized (Y/N):		Fee Check:	Payable to TCEQ (Y/N):	
Core Data Form Complete (Y/N):			Signed (Y/N):	
Core Data Form Incomplete Nos.:			Less than 90 days old (Y/N):	

General Information Form

In this Section:

TCEQ-0587
General Information Form

Attachment A
Road Map

Attachment B
USGS/Edwards Aquifer Recharge Zone Map

Attachment C
Project Description

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General Information Form

Texas Commission on Environmental Quality

For Regulated Activities on the Edwards Aquifer Recharge and Transition Zones and Relating to 30 TAC §213.4(b) & §213.5(b)(2)(A), (B) Effective June 1, 1999

To ensure that the application is administratively complete, confirm that all fields in the form are complete, verify that all requested information is provided, consistently reference the same site and contact person in all forms in the application, and ensure forms are signed by the appropriate party.

Note: Including all the information requested in the form and attachments contributes to more streamlined technical reviews.

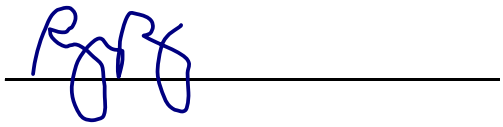
Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **General Information Form** is hereby submitted for TCEQ review. The application was prepared by:

Print Name of Customer/Agent: UP Engineering + Surveying

Date: 6/28/24

Signature of Customer/Agent:



Project Information

1. Regulated Entity Name: AFHC Parking Expansion
2. County: Bexar
3. Stream Basin: Lorence Creek
4. Groundwater Conservation District (If applicable): Trinity Glen Rose
5. Edwards Aquifer Zone:

   [X] Recharge Zone
   [ ] Transition Zone

6. Plan Type:

   [X] WPAP
   [ ] SCS
   [ ] Modification
   [ ] AST
   [ ] UST
   [ ] Exception Request

7. Customer (Applicant):

Contact Person: Gary Norsworthy
Entity: Alamo Feline Health Center, PA
Mailing Address: 16201 San Pedro Ave
City, State: Hollywood Park, TX Zip: 78232
Telephone: 210-404-2287 FAX: _____
Email Address: gnors2287@gmail.com

8. Agent/Representative (If any):

Contact Person: Ryan Plagens
Entity: UP Engineering + Surveying
Mailing Address: 111 Tower Drive, Ste 325
City, State: San Antonio, TX Zip: 78232
Telephone: 210-774-5504 FAX: _____
Email Address: ryan@upengineering.com

9. Project Location:

[X] The project site is located inside the city limits of Hollywood Park.
[ ] The project site is located outside the city limits but inside the ETJ (extra-territorial jurisdiction) of _____.
[ ] The project site is not located within any city's limits or ETJ.

10. [X] The location of the project site is described below. The description provides sufficient detail and clarity so that the TCEQ's Regional staff can easily locate the project and site boundaries for a field investigation.

The site is located approximately 210' west of the intersection of US Hwy 281 and Chula Vista, on the north side of Chula Vista; it is directly west of the Alamo Feline Health Center

11. [X] **Attachment A – Road Map**. A road map showing directions to and the location of the project site is attached. The project location and site boundaries are clearly shown on the map.

12. [X] **Attachment B - USGS / Edwards Recharge Zone Map**. A copy of the official 7 ½ minute USGS Quadrangle Map (Scale: 1" = 2000') of the Edwards Recharge Zone is attached. The map(s) clearly show:

[X] Project site boundaries.
[X] USGS Quadrangle Name(s).
[X] Boundaries of the Recharge Zone (and Transition Zone, if applicable).
[X] Drainage path from the project site to the boundary of the Recharge Zone.

13. [X] **The TCEQ must be able to inspect the project site or the application will be returned**. Sufficient survey staking is provided on the project to allow TCEQ regional staff to locate the boundaries and alignment of the regulated activities and the geologic or manmade features noted in the Geologic Assessment.

[X] Survey staking will be completed by this date: 7/12/24

14. [X] **Attachment C – Project Description**. Attached at the end of this form is a detailed narrative description of the proposed project. The project description is consistent throughout the application and contains, at a minimum, the following details:

- [X] Area of the site
- [X] Offsite areas
- [X] Impervious cover
- [X] Permanent BMP(s)
- [X] Proposed site use
- [X] Site history
- [X] Previous development
- [X] Area(s) to be demolished

15. Existing project site conditions are noted below:

- [ ] Existing commercial site
- [ ] Existing industrial site
- [ ] Existing residential site
- [ ] Existing paved and/or unpaved roads
- [ ] Undeveloped (Cleared)
- [ ] Undeveloped (Undisturbed/Uncleared)
- [X] Other: Undeveloped/cleared with temporary storage building located onsite

Prohibited Activities

16. [X] I am aware that the following activities are prohibited on the Recharge Zone and are not proposed for this project:

(1) Waste disposal wells regulated under 30 TAC Chapter 331 of this title (relating to Underground Injection Control);

(2) New feedlot/concentrated animal feeding operations, as defined in 30 TAC §213.3;

(3) Land disposal of Class I wastes, as defined in 30 TAC §335.1;

(4) The use of sewage holding tanks as parts of organized collection systems; and

(5) New municipal solid waste landfill facilities required to meet and comply with Type I standards which are defined in §330.41(b), (c), and (d) of this title (relating to Types of Municipal Solid Waste Facilities).

(6) New municipal and industrial wastewater discharges into or adjacent to water in the state that would create additional pollutant loading.

17. [X] I am aware that the following activities are prohibited on the Transition Zone and are not proposed for this project:

(1) Waste disposal wells regulated under 30 TAC Chapter 331 (relating to Underground Injection Control);

(2) Land disposal of Class I wastes, as defined in 30 TAC §335.1; and

(3) New municipal solid waste landfill facilities required to meet and comply with Type I standards which are defined in §330.41 (b), (c), and (d) of this title.

Administrative Information

18. The fee for the plan(s) is based on:

- [X] For a Water Pollution Abatement Plan or Modification, the total acreage of the site where regulated activities will occur.
- [ ] For an Organized Sewage Collection System Plan or Modification, the total linear footage of all collection system lines.
- [ ] For a UST Facility Plan or Modification or an AST Facility Plan or Modification, the total number of tanks or piping systems.
- [ ] A request for an exception to any substantive portion of the regulations related to the protection of water quality.
- [ ] A request for an extension to a previously approved plan.

19. [X] Application fees are due and payable at the time the application is filed. If the correct fee is not submitted, the TCEQ is not required to consider the application until the correct fee is submitted. Both the fee and the Edwards Aquifer Fee Form have been sent to the Commission's:

- [ ] TCEQ cashier
- [ ] Austin Regional Office (for projects in Hays, Travis, and Williamson Counties)
- [X] San Antonio Regional Office (for projects in Bexar, Comal, Kinney, Medina, and Uvalde Counties)

20. [X] Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.

21. [X] No person shall commence any regulated activity until the Edwards Aquifer Protection Plan(s) for the activity has been filed with and approved by the Executive Director.

General Information Form – Attachment A

Road Map

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EXHIBIT			
A	AFHC PARKING EXPANSION CHULA VISTA HOLLYWOOD PARK, TX 78232	ROAD MAP	UP ENGINEERING + SURVEYING 111 N. TOWER DR., SUITE 325 SAN ANTONIO, TX 78232 TEL 210-774-5504 WWW.UPENGINEERING.COM TBPE F-17992 TBPELS F-10194606

General Information Form – Attachment B

USGS Quadrangle Map

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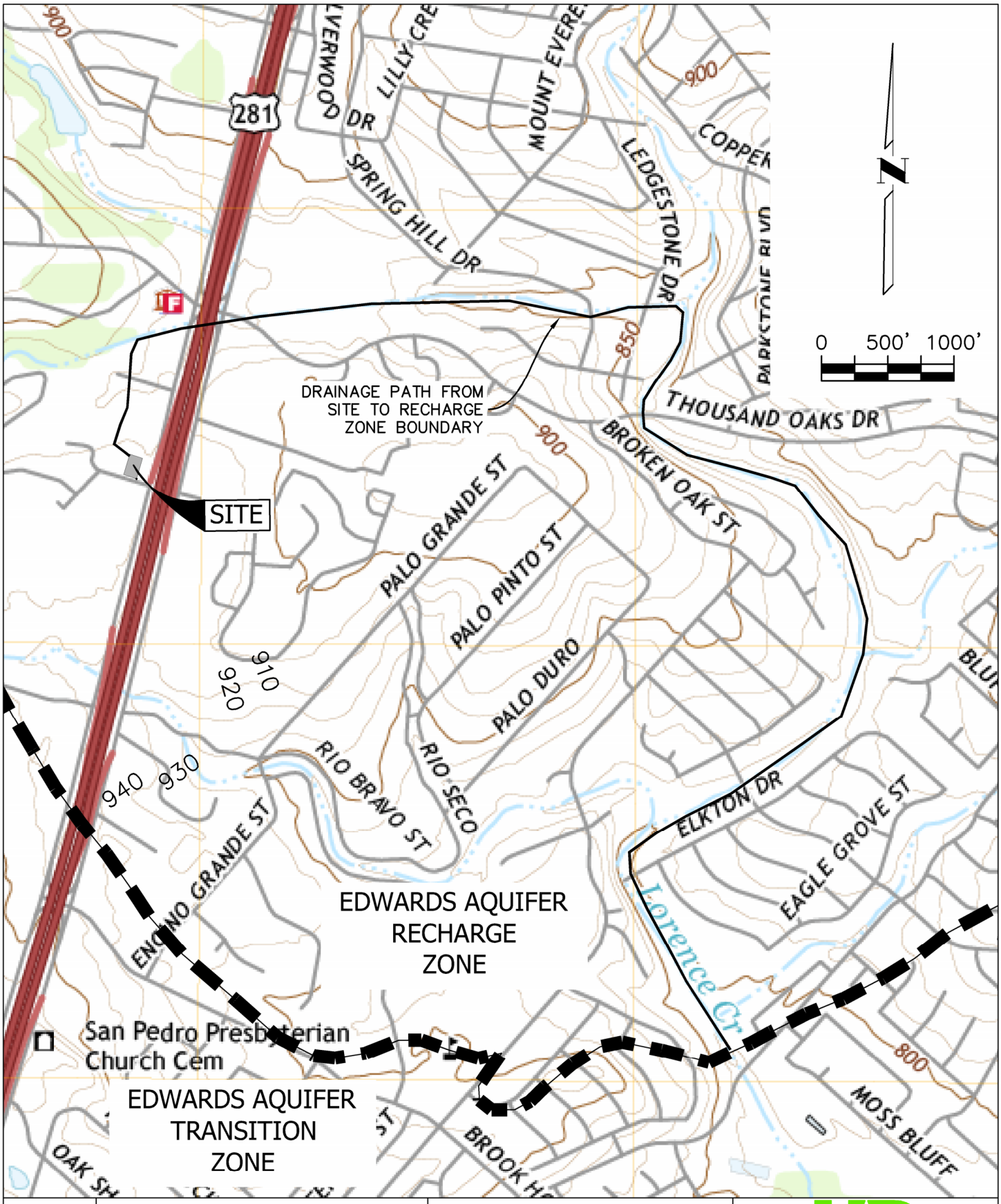

EXHIBIT			
B	AFHC PARKING EXPANSION CHULA VISTA HOLLYWOOD PARK, TX 78232	USGS MAP EXHIBIT LONGHORN TX QUADRANGLE	UP ENGINEERING + SURVEYING 111 N. TOWER DR., SUITE 325 SAN ANTONIO, TX 78232 TEL 210-774-5504 WWW.UPENGINEERING.COM TBPE F-17992 TBPELS F-10194606

General Information Form – Attachment C

Project Description

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Project Description

The project site consists of 0.42 acres located approximately 210’ west of the intersection of US Hwy 281 and Chula Vista in the limits of Hollywood Park, Bexar County. The site is bounded by Chula Vista to the south, existing commercial developments to the north and east, and a parking lot to the west. The site is situated within the Edwards Aquifer Recharge Zone. Under existing conditions, the site has some compacted base, an existing concrete encroachment along the north property line, and two temporary outbuildings – one will remain, and one will be demolished.

The future development will consist of a paved parking area for the adjacent development’s use. Vegetative filter strips are proposed to treat new impervious cover.

The total post development impervious cover utilized for the design of the vegetative filer strips is 0.29 acres with an increase from the existing 0.01 acres out of 0.42 acres. It is proposed to reduce the TSS exiting the site for ultimate conditions. No portion of the site lies within the 100-year floodplain area. Runoff from the site is ultimately conveyed to Lorence Creek, a tributary to Salado Creek proper.

Geologic Assessment Form

In this Section:

TCEQ-0585

Attachment A – Geologic Assessment Table (TCEQ-0585 Table)

Attachment B – Stratigraphic Column

Attachment C – Site Geology

Attachment D – Site Geologic Map(s)

GEOLOGIC ASSESSMENT

For

ALAMO FELINE HEALTH CENTER
16201 SAN PEDRO AVENUE
HOLLYWOOD PARK, BEXAR COUNTY, TEXAS

Prepared for
ALAMO FELINE HEALTH CENTER
16201 SAN PEDRO AVENUE
HOLLYWOOD PARK, TX 78232

Prepared by

Professional Service Industries, Inc.
3 Burwood Lane
San Antonio, Texas 78216
Telephone (210) 342-9377

PSI PROJECT NO.: 0435-6315

June 20, 2024

Professional Service Industries, Inc.
3 Burwood Lane, San Antonio, TX 78216
Phone: (210) 342-9377
Fax: (210) 342-9401

June 20, 2024

Alamo Feline Health Center
16201 San Pedro Ave.
Hollywood Park, Texas 78232

Attn: Dr. Gary D. Norsworthy, Owner

RE: Geologic Assessment
Alamo Feline Health Center
16201 San Pedro Ave.
Hollywood Park, Texas 78232
PSI Project No. 435-6315

Dear Dr. Norsworthy:

Professional Service Industries, Inc. (PSI) has completed a geologic recharge assessment for the above referenced project in compliance with the Texas Commission on Environmental Quality (TCEQ) requirements for regulated developments located on the Edwards Aquifer Recharge Zone (EARZ). The purpose of this report is to describe surficial geologic units and identify the locations and extent of significant recharge features present in the development area.

AUTHORIZATION

Authorization to perform this assessment was given via a signed copy of PSI Proposal No. 427872 on June 13, 2024.

PROJECT DESCRIPTION

The property consists of an approximate 0.4-acre tract of land located at the northwest corner of San Pedro Ave. and Chula Vista Drive, in Hollywood Park, Bexar County, Texas. The subject property is located on the Edwards Aquifer Recharge Zone (EARZ), and therefore subject to special rules promulgated by the Texas Commission on Environmental Quality (TCEQ) designed to protect environmentally sensitive areas. The site is currently cultivated agricultural land.

REGIONAL GEOLOGY

Physiography

From northwest to southeast, the three physiographic provinces in Bexar County are: the Edwards Plateau, the Blackland Prairie, and the West Gulf Coastal Plain. The Edwards Plateau terrain is rugged and hilly, with elevations ranging from 1,100 feet to 1.900 feet above sea level. This area is underlain by beds of limestone that dip gently to the southeast. South of the Edwards Plateau is the Balcones Fault Zone, which is also the northernmost limit of the Blackland Prairie. The Balcones Fault Zone extends northeast-southwest across Bexar County and is composed of fault blocks of limestone, chalk, shale, and marl. The undulating, hilly topography of the Blackland Prairie ranges in elevation from about 700 feet to 1100 feet above sea level. The faults are predominantly normal, down-to-the Gulf Coast, with near vertical throws. The West Gulf Coastal Plain lies southeast of the Blackland Prairie and

is composed of relatively flat-lying beds of marl, clay, and sandy clay. According to topographic maps, elevations at the subject are approximately 890 feet above mean sea level, with a topographic slope to the north towards a tributary to Lorence Creek, located approximately 800 feet northwest of the site.

Stratigraphy and Structure

Rocks at the site are mapped as the Lower Cretaceous Cyclic and Marine member of the Edwards Person Formation (Kpcm).

The Cyclic and Marine member is a chert bearing mudstone to packstone and miliolid (foraminifera fossil) grainstone. It weathers to a massive light tan color in outcrop, with scattered toucasia (bivalve fossil) present. This member has a large number of subsurface caverns and is highly productive hydrologically, with abundant porosity and permeability. The thickness ranges from 10-100' se is approximately 160 feet thick.

SITE INVESTIGATION

The site investigation was performed by systematically traversing the subject tract, and mapping fractured or vuggy rock outcrops, closed depressions, sinkholes, caves, or indications of fault/fracture zones. The purpose of the site investigation was to delineate features with recharge potential that may warrant special protection or consideration. The results of the site investigation are included in the attached TCEQ report format.

No natural recharge features were observed on the subject site. An inferred fault is mapped just north of the site, but there were no indications of any faults, fracture zones, solution cavities or extensive exposed bedrock on the site.

SUMMARY

No sensitive features were noted on the subject tract. Please note that subtle features, buried or obscured from view, may be present on the tract. It is possible that clearing/construction activities will reveal the presence of features currently hidden by thick vegetation and/or soil cover. If caves, sinkholes, or solution cavities are encountered during future clearing/construction activities, please contact our office for additional assistance.

We appreciate this opportunity to be of service to you. If you have any questions, please do not hesitate to contact our office.

Respectfully submitted,
PROFESSIONAL SERVICE INDUSTRIES, INC.

John Langan, P.G.
Environmental Department Manager

WARRANTY

The field observations and research reported herein are considered enough in detail and scope to form a reasonable basis for a general geological recharge assessment of this site. PSI warrants that the findings and conclusions contained herein have been promulgated in accordance with generally accepted geologic methods, only for the site described in this report. These methods have been developed to provide the client with information regarding apparent indications of existing or potential conditions relating to the subject site and are necessarily limited to the conditions observed at the time of the site visit and research. This report is also limited to the information available at the time it was prepared. In the event additional information is provided to PSI following the report, it will be forwarded to the client in the form received for evaluation by the client. There is a possibility that conditions may exist which could not be identified within the scope of the assessment, or which were not apparent during the site visit. PSI believes that the information obtained from others during the review of public information is reliable; however, PSI cannot warrant or guarantee that the information provided by others is complete or accurate.

This report has been prepared for the exclusive use of Alamo Feline Health Center for the site discussed herein. Reproductions of this report cannot be made without the expressed approval of Alamo Feline Health Center. The general terms and conditions under which this assessment was prepared apply solely to Alamo Feline Health Center. No other warranties are implied or expressed.

Geologic Assessment

Texas Commission on Environmental Quality

For Regulated Activities on The Edwards Aquifer Recharge/transition Zones and Relating to 30 TAC §213.5(b)(3), Effective June 1, 1999

To ensure that the application is administratively complete, confirm that all fields in the form are complete, verify that all requested information is provided, consistently reference the same site and contact person in all forms in the application, and ensure forms are signed by the appropriate party.

Note: Including all the information requested in the form and attachments contributes to more streamlined technical reviews.

Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. My signature certifies that I am qualified as a geologist as defined by 30 TAC Chapter 213.

Print Name of Geologist: John Langan Telephone: 210/342-9377

Date: 06/20/24 Fax: 210/342-9401

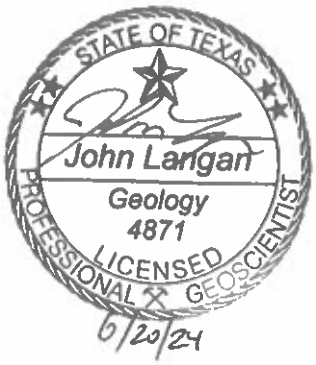
Representing: PSI TBPG No. 50128 (Name of Company and TBPG or TBPE registration number)

Signature of Geologist:

Regulated Entity Name: Alamo Feline Health Center

Project Information

1. Date(s) Geologic Assessment was performed: 06/13/24
2. Type of Project:
   - ☒ WPAP
   - ☐ SCS
   - ☐ AST
   - ☐ UST
3. Location of Project:
   - ☒ Recharge Zone
   - ☐ Transition Zone
   - ☐ Contributing Zone within the Transition Zone



4. ☒ **Attachment A - Geologic Assessment Table**. Completed Geologic Assessment Table (Form TCEQ-0585-Table) is attached.

5. ☐ Soil cover on the project site is summarized in the table below and uses the SCS Hydrologic Soil Groups* (Urban Hydrology for Small Watersheds, Technical Release No. 55, Appendix A, Soil Conservation Service, 1986). If there is more than one soil type on the project site, show each soil type on the site Geologic Map or a separate soils map.

Table 1 - Soil Units, Infiltration Characteristics and Thickness

Soil Name	Group*	Thickness(feet)
Crawford & Bexar stony soils	B	1-2

** Soil Group Definitions (Abbreviated)*

A. Soils having a high infiltration rate when thoroughly wetted.

B. Soils having a moderate infiltration rate when thoroughly wetted.

C. Soils having a slow infiltration rate when thoroughly wetted.

D. Soils having a very slow infiltration rate when thoroughly wetted.

6. ☒ **Attachment B – Stratigraphic Column**. A stratigraphic column showing formations, members, and thicknesses is attached. The outcropping unit, if present, should be at the top of the stratigraphic column. Otherwise, the uppermost unit should be at the top of the stratigraphic column.

7. ☒ **Attachment C – Site Geology**. A narrative description of the site specific geology including any features identified in the Geologic Assessment Table, a discussion of the potential for fluid movement to the Edwards Aquifer, stratigraphy, structure(s), and karst characteristics is attached.

8. ☒ **Attachment D – Site Geologic Map(s)**. The Site Geologic Map must be the same scale as the applicant's Site Plan. The minimum scale is 1": 400'

   Applicant's Site Plan Scale: 1" = 20'
   Site Geologic Map Scale: 1" = 20'
   Site Soils Map Scale (if more than 1 soil type): 1" = 30.7'

9. Method of collecting positional data:

   ☒ Global Positioning System (GPS) technology.
   ☐ Other method(s). Please describe method of data collection: _____

10. ☒ The project site and boundaries are clearly shown and labeled on the Site Geologic Map.

11. ☒ Surface geologic units are shown and labeled on the Site Geologic Map.

12. ☐ Geologic or manmade features were discovered on the project site during the field investigation. They are shown and labeled on the Site Geologic Map and are described in the attached Geologic Assessment Table.

    ☒ Geologic or manmade features were not discovered on the project site during the field investigation.

13. ☐ The Recharge Zone boundary is shown and labeled, if appropriate.

14. All known wells (test holes, water, oil, unplugged, capped and/or abandoned, etc.): If applicable, the information must agree with Item No. 20 of the WPAP Application Section.

    ☐ There are _____ (#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply.)
    - ☐ The wells are not in use and have been properly abandoned.
    - ☐ The wells are not in use and will be properly abandoned.
    - ☐ The wells are in use and comply with 16 TAC Chapter 76.

    ☒ There are no wells or test holes of any kind known to exist on the project site.

Administrative Information

15. ☒ Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.

STRATIGRAPHIC COLUMN
Alamo Feline Health Center
16201 San Pedro Ave.
Hollywood Park, Texas

FORMATION	THICKNESS	LITHOLOGIC DESCRIPTION
Georgetown Formation	10-40’	Light tan limestone identified by proximity to Del Rio clay and diagnostic marker fossil: *waconella wacoensis* brachiopod; low porosity and permeability development.
Person Formation	180-224’	Limestones and dolomites, extensive porosity development in “honeycomb sections, interbedded with massive, recrystallized limestones with more limited permeabilities (especially Regional Dense Member separating the Person and Kainer Formations.
Kainer Formation	260-310’	Hard, miliolid limestones, overlying calcified dolomites and dolomite. Leached evaporitic “Kirschberg” zone of very porous and permeable collapse breccia formed by the dissolution of gypsum. Overlies the basal nodular (Walnut) bed.
Glen Rose Limestone (upper)	200-400	limestone, dolomite, and marl as alternation resistant and recessive beds forming stairstep topography; limestone, aphanitic to fine grained, hard to soft and marly, light gray to yellowish gray; dolomite, fine grained, porous, yellowish brown; marine megafossils include molluscan steinkerns, rudistids, oysters, and echinoids. Upper part, Kgru, relatively thinner bedded, more dolomitic, and less fossiliferous;

SOILS NARRATIVE

According to the Soil Survey of Bexar County, Texas, published by the United States Department of Agriculture, Soil Conservation Service, in cooperation with the Texas Agricultural Extension Service, issued in 1991, the soils beneath the subject property have been classified as Crawford and Bexar stony soils (Cb).

Crawford and Bexar stony soils occur as large areas, several hundred acres in size, in a nearly continuous belt extending westward across the northern portion of the county. Crawford soils make up approximately 51% of the acreage and consist of shallow to moderately deep stony soils that develop over hard limestone. In the approximate 8-10-inch surface layer, between 10 and 40% of the material is made up of chert or limestone fragments, ranging in size from one-quarter inch to two feet in diameter. Bexar soils make up roughly 36% of the acreage and consist of cherty clay loam to gravelly loam overlying a cherty clay that develops on limestone.

SITE GEOLOGIC NARRATIVE

Physiography

From northwest to southeast, the three physiographic provinces in Bexar County are: the Edwards Plateau, the Blackland Prairie, and the West Gulf Coastal Plain. The Edwards Plateau terrain is rugged and hilly, with elevations ranging from 1,100 feet to 1.900 feet above sea level. This area is underlain by beds of limestone that dip gently to the southeast. South of the Edwards Plateau is the Balcones Fault Zone, which is also the northernmost limit of the Blackland Prairie. The Balcones Fault Zone extends northeast-southwest across Bexar County and is composed of fault blocks of limestone, chalk, shale, and marl. The undulating, hilly topography of the Blackland Prairie ranges in elevation from about 700 feet to 1100 feet above sea level. The faults are predominantly normal, down-to-the Gulf Coast, with near vertical throws. The West Gulf Coastal Plain lies southeast of the Blackland Prairie and is composed of relatively flat-lying beds of marl, clay, and sandy clay. According to topographic maps, elevations at the subject are approximately 890 feet above mean sea level, with a topographic slope to the north towards a tributary to Lorence Creek, located approximately 800 feet northwest of the site.

Stratigraphy and Structure

Rocks at the site are mapped as the Lower Cretaceous Cyclic and Marine member of the Edwards Person Formation (Kpcm).

The Cyclic and Marine member is a chert bearing mudstone to packstone and miliolid (foraminifera fossil) grainstone. It weathers to a massive light tan color in outcrop, with scattered toucasia (bivalve fossil) present. This member has a large number of subsurface caverns and is highly productive hydrologically, with abundant porosity and permeability. The thickness ranges from 10-100’ se is approximately 160 feet thick.

SITE INVESTIGATION

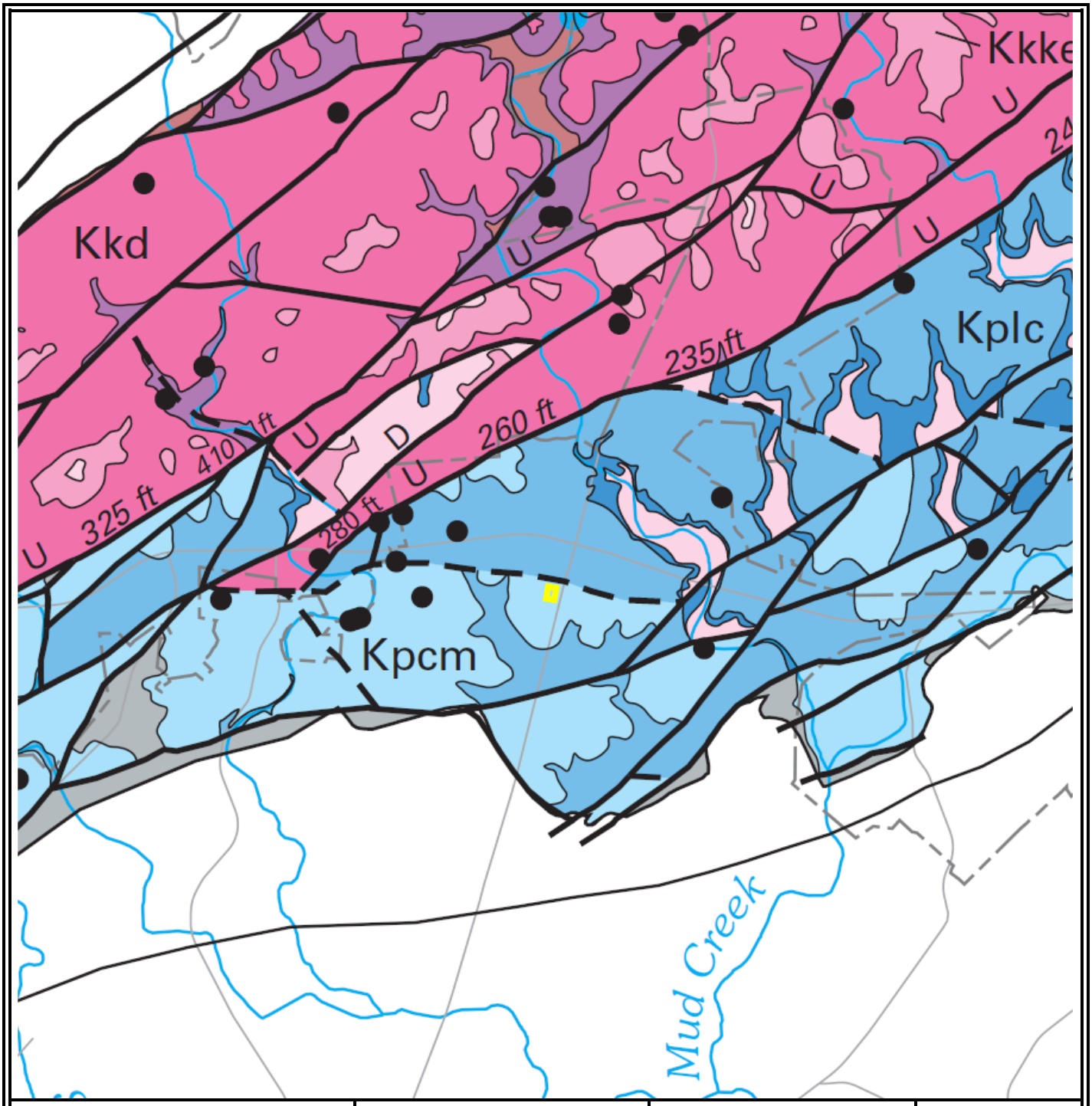
The site investigation was performed by systematically traversing the subject tract, and mapping fractured or vuggy rock outcrops, closed depressions, sinkholes, caves, or indications of fault/fracture zones. The purpose of the site investigation was to delineate features with recharge potential that may warrant special protection or consideration. The results of the site investigation are included in the attached TCEQ report format.

No natural recharge features were observed on the subject site. An inferred fault is mapped just north of the site, but there were no indications of any faults, fracture zones, solution cavities or extensive exposed bedrock on the site.

SUMMARY

No sensitive features were noted on the subject tract. Please note that subtle features, buried or obscured from view, may be present on the tract. It is possible that clearing/construction activities will

reveal the presence of features currently hidden by thick vegetation and/or soil cover. If caves, sinkholes, or solution cavities are encountered during future clearing/construction activities, please contact our office for additional assistance.



intertek psi
PSI, Inc.
3 Burwood Lane
San Antonio, Texas 78216

PROJECT NAME:
Alamo Feline Health Center
16201 San Pedro Avenue
Hollywood Park, Texas
PROJECT NO.:435-6315

Geologic Map
From: Geologic Map of the Edwards Aquifer Recharge Zone, South-Central Texas
USGS
C.D. Blome, J.R. Faith, et al 2005

N

STATE OF TEXAS
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Geology
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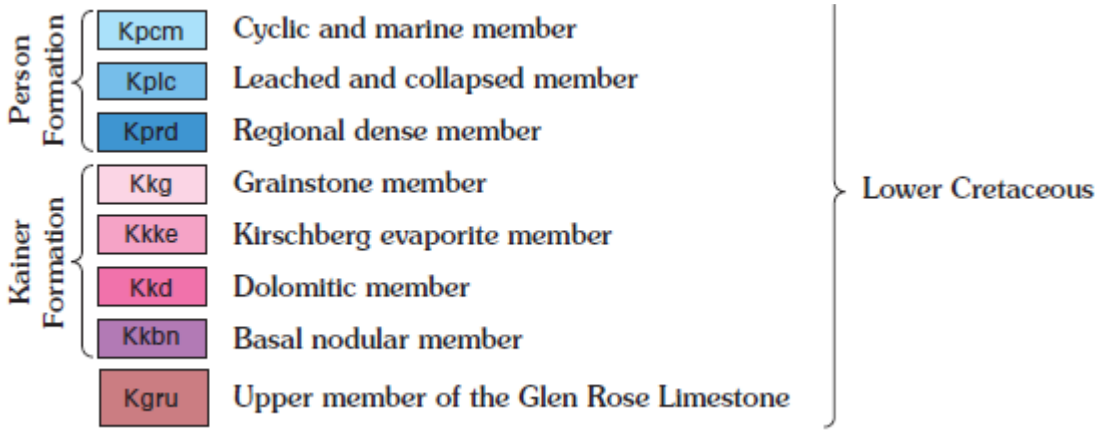
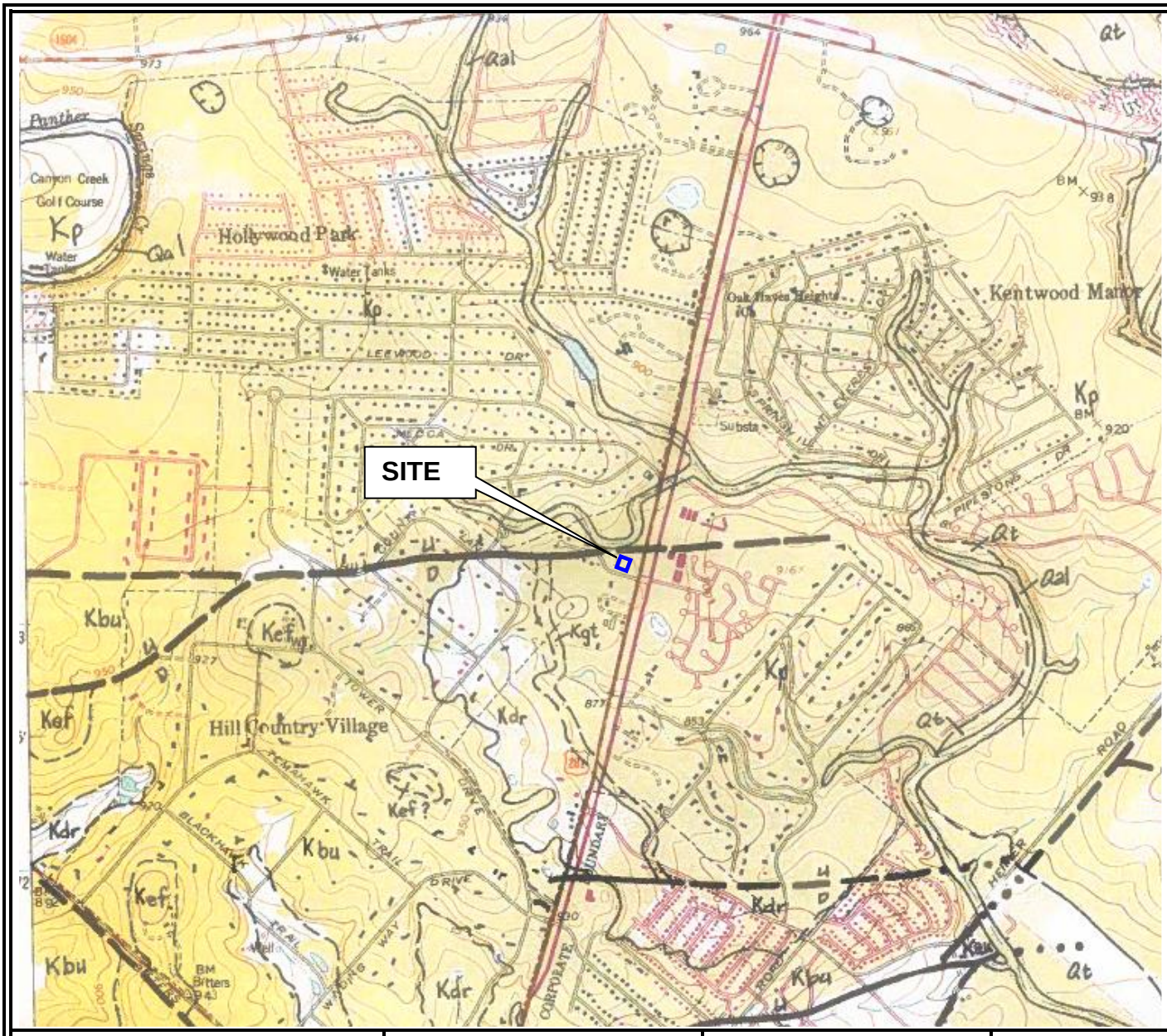
6/20/24


Person Formation
Kpcm
Cyclic and marine member
Kplc
Leached and collapsed member
Kprd
Regional dense member
Kainer Formation
Kkg
Grainstone member
Kkke
Kirschberg evaporite member
Kkd
Dolomitic member
Kkbn
Basal nodular member
Kgru
Upper member of the Glen Rose Limestone
Lower Cretaceous



PSI, Inc.
3 Burwood Lane
San Antonio, Texas 78216

PROJECT NAME:
Alamo Feline Health Center
16201 San Pedro Avenue
Hollywood Park, Texas
PROJECT NO.:435-6315

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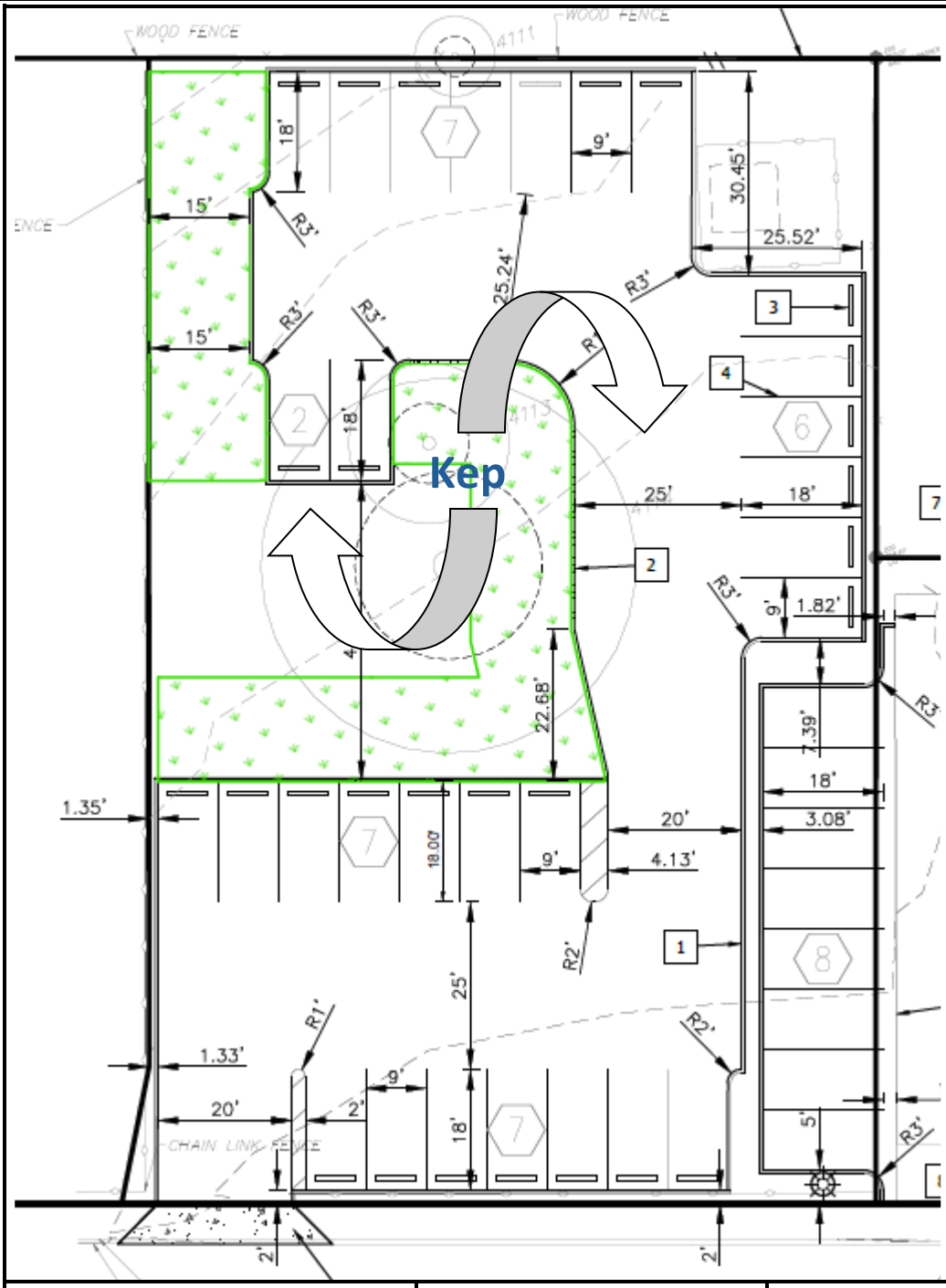
6/20/24

Geologic Map

From USGS "Longhorn, Texas" Topographic Map (Geology from Collins 1994, modified from Arnow, 1959)

N



intertek psi

PSI, Inc.
3 Burwood Lane
San Antonio, Texas 78216

Geologic Feature Map
Alamo Feline Health Center
16201 San Pedro Avenue
Hollywood Park, Texas
Project No.:0435-6315

Kep-Lower Cretaceous Edwards Person Fm.

0 10' 20' 40'
SCALE 1" = 20'

N

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GEOLOGIC ASSESSMENT TABLE

PROJECT NAME: Alamo Feline Health Center

LOCATION			FEATURE CHARACTERISTICS												EVALUATION			PHYSICAL SETTING		
1A	1B *	1C*	2A	2B	3	4			5	5A	6	7	8A	8B	9	10		11		12
FEATURE ID	LATITUDE	LONGITUDE	FEATURE TYPE	POINTS	FORMATION	DIMENSIONS (FEET)			TREND (DEGREES)	DOM	DENSITY (NO/FT)	APERTURE (FEET)	INFILL	RELATIVE INFILTRATION RATE	TOTAL	SENSITIVITY		CATCHMENT AREA (ACRES)		TOPOGRAPHY
						X	Y	Z		10						<40	>40	<1.6	>1.6	
NO FEATURES FOUND																				

* DATUM:

2A TYPE	TYPE	2B POINTS
C	Cave	30
SC	Solution cavity	20
SF	Solution-enlarged fracture(s)	20
F	Fault	20
O	Other natural bedrock features	5
MB	Manmade feature in bedrock	30
SW	Swallow hole	30
SH	Sinkhole	20
CD	Non-karst closed depression	5
Z	Zone, clustered or aligned features	30

8A INFILLING	
N	None, exposed bedrock
C	Coarse - cobbles, breakdown, sand, gravel
O	Loose or soft mud or soil, organics, leaves, sticks, dark colors
F	Fines, compacted clay-rich sediment, soil profile, gray or red colors
V	Vegetation. Give details in narrative description
FS	Flowstone, cements, cave deposits
X	Other materials

12 TOPOGRAPHY

Cliff, Hilltop, Hillside, Drainage, Floodplain, Streambed

I have read, I understood, and I have followed the Texas Commission on Environmental Quality's Instructions to Geologists. The information presented here complies with that document and is a true representation of the conditions observed in the field.

My signature certifies that I am qualified as a geologist as defined by 30 TAC Chapter 213.

Date 6/20/24

Sheet 1 of 1

STATE OF TEXAS
John Langan
Geology
4871
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PROFESSIONAL GEOSCIENTIST
6/20/24

TCEQ-0585-Table (Rev. 10-01-04)

1. View northeast of the site interior from the southwest corner of the Alamo Feline Health Center tract located at 16201 San Pedro Avenue in Hollywood Park, TX.

2. View southeast of the site interior from the northwest corner.

3. View south along the west property line from the northwest corner.

4. View of hazmat storage shed on the northeast corner.

5. View south along the east property line from the northeast corner of the tract.

6. View of exposed Edwards Person Formation float rock at the base of a large oak tree in the middle of the site.

7. View northwest of the site interior from the southeast corner.

8. View west along the south property line from the southeast corner.

Map Scale: 1:368 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 5 10 20 30

Feet: 0 15 30 60 90

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 14N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Bexar County, Texas
Survey Area Data: Version 27, Aug 31, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Dec 15, 2020—Dec 25, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Cb	Crawford, stony and Bexar soils, 0 to 5 percent slopes	0.4	100.0%
Totals for Area of Interest		**0.4**	**100.0%**

Water Pollution Abatement Plan Application Form

In this Section:

TCEQ-0584
Water Pollution Abatement Plan Application

Attachment A
Factors Affecting Surface Water Quality

Attachment B
Volume and Character of Stormwater

Attachment C
Suitability Letter from Authorized Agent (if OSSF is proposed)

Attachment D
Exception to the Required Geologic Assessment (if requested)

Site Plan

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Water Pollution Abatement Plan Application

Texas Commission on Environmental Quality

for Regulated Activities on the Edwards Aquifer Recharge Zone and Relating to 30 TAC §213.5(b), Effective June 1, 1999

To ensure that the application is administratively complete, confirm that all fields in the form are complete, verify that all requested information is provided, consistently reference the same site and contact person in all forms in the application, and ensure forms are signed by the appropriate party.

Note: Including all the information requested in the form and attachments contributes to more streamlined technical reviews.

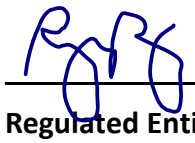
Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **Water Pollution Abatement Plan Application Form** is hereby submitted for TCEQ review and Executive Director approval. The form was prepared by:

Print Name of Customer/Agent: UP Engineering + Surveying

Date: 6/28/24

Signature of Customer/Agent:



Regulated Entity Name: AFHC Parking Expansion

Regulated Entity Information

1. The type of project is:

   ☐ Residential: Number of Lots:_____
   ☐ Residential: Number of Living Unit Equivalents:_____
   ☒ Commercial
   ☐ Industrial
   ☐ Other:_____

2. Total site acreage (size of property): 0.42 AC

3. Estimated projected population: 0

4. The amount and type of impervious cover expected after construction are shown below:

Table 1 - Impervious Cover Table

Impervious Cover of Proposed Project	Sq. Ft.	Sq. Ft./Acre	Acres
Structures/Rooftops	N/A	÷ 43,560 =	
Parking	12,632	÷ 43,560 =	0.29
Other paved surfaces	N/A	÷ 43,560 =	
Total Impervious Cover		÷ 43,560 =	

Total Impervious Cover 0.29 **÷ Total Acreage** 0.42 **X 100 =** 69 **% Impervious Cover**

5. [X] **Attachment A - Factors Affecting Surface Water Quality**. A detailed description of all factors that could affect surface water and groundwater quality that addresses ultimate land use is attached.

6. [X] Only inert materials as defined by 30 TAC §330.2 will be used as fill material.

For Road Projects Only

Complete questions 7 - 12 if this application is exclusively for a road project.

7. Type of project:

   [ ] TXDOT road project.
   [ ] County road or roads built to county specifications.
   [ ] City thoroughfare or roads to be dedicated to a municipality.
   [ ] Street or road providing access to private driveways.

8. Type of pavement or road surface to be used:

   [ ] Concrete
   [ ] Asphaltic concrete pavement
   [ ] Other: _____

9. Length of Right of Way (R.O.W.): _____ feet.

   Width of R.O.W.: _____ feet.
   L x W = _____ Ft^2 ÷ 43,560 Ft^2/Acre = _____ acres.

10. Length of pavement area: _____ feet.

    Width of pavement area: _____ feet.
    L x W = _____ Ft^2 ÷ 43,560 Ft^2/Acre = _____ acres.
    Pavement area _____ acres ÷ R.O.W. area _____ acres x 100 = _____% impervious cover.

11. [ ] A rest stop will be included in this project.

    [ ] A rest stop will not be included in this project.

12. ☐ Maintenance and repair of existing roadways that do not require approval from the TCEQ Executive Director. Modifications to existing roadways such as widening roads/adding shoulders totaling more than one-half (1/2) the width of one (1) existing lane require prior approval from the TCEQ.

Stormwater to be generated by the Proposed Project

13. ☒ **Attachment B - Volume and Character of Stormwater**. A detailed description of the volume (quantity) and character (quality) of the stormwater runoff which is expected to occur from the proposed project is attached. The estimates of stormwater runoff quality and quantity are based on the area and type of impervious cover. Include the runoff coefficient of the site for both pre-construction and post-construction conditions.

Wastewater to be generated by the Proposed Project

14. The character and volume of wastewater is shown below:

_____% Domestic	_____Gallons/day
_____% Industrial	_____Gallons/day
_____% Commingled	_____Gallons/day

TOTAL gallons/day N/A

15. Wastewater will be disposed of by:

☒ N/A On-Site Sewage Facility (OSSF/Septic Tank):

- ☐ **Attachment C - Suitability Letter from Authorized Agent**. An on-site sewage facility will be used to treat and dispose of the wastewater from this site. The appropriate licensing authority's (authorized agent) written approval is attached. It states that the land is suitable for the use of private sewage facilities and will meet or exceed the requirements for on-site sewage facilities as specified under 30 TAC Chapter 285 relating to On-site Sewage Facilities.
- ☐ Each lot in this project/development is at least one (1) acre (43,560 square feet) in size. The system will be designed by a licensed professional engineer or registered sanitarian and installed by a licensed installer in compliance with 30 TAC Chapter 285.

☒ N/A Sewage Collection System (Sewer Lines):

- ☐ Private service laterals from the wastewater generating facilities will be connected to an existing SCS.
- ☐ Private service laterals from the wastewater generating facilities will be connected to a proposed SCS.

- ☐ The SCS was previously submitted on_____.
- ☐ The SCS was submitted with this application.
- ☐ The SCS will be submitted at a later date. The owner is aware that the SCS may not be installed prior to Executive Director approval.

☐ The sewage collection system will convey the wastewater to the _____ (name) Treatment Plant. The treatment facility is:

☐ Existing.
☐ Proposed.

16. ☒ N/A All private service laterals will be inspected as required in 30 TAC §213.5.

Site Plan Requirements

Items 17 – 28 must be included on the Site Plan.

17. ☒ The Site Plan must have a minimum scale of 1" = 400'.

Site Plan Scale: 1" = 20 '.

18. 100-year floodplain boundaries:

☐ Some part(s) of the project site is located within the 100-year floodplain. The floodplain is shown and labeled.
☒ No part of the project site is located within the 100-year floodplain.
The 100-year floodplain boundaries are based on the following specific (including date of material) sources(s): FEMA Map 48029C0255G (Effective 9/29/10)

19. ☒ The layout of the development is shown with existing and finished contours at appropriate, but not greater than ten-foot contour intervals. Lots, recreation centers, buildings, roads, open space, etc. are shown on the plan.

☐ The layout of the development is shown with existing contours at appropriate, but not greater than ten-foot intervals. Finished topographic contours will not differ from the existing topographic configuration and are not shown. Lots, recreation centers, buildings, roads, open space, etc. are shown on the site plan.

20. All known wells (oil, water, unplugged, capped and/or abandoned, test holes, etc.):

☐ There are _____ (#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply)

☐ The wells are not in use and have been properly abandoned.
☐ The wells are not in use and will be properly abandoned.
☐ The wells are in use and comply with 16 TAC §76.

☒ There are no wells or test holes of any kind known to exist on the project site.

21. Geologic or manmade features which are on the site:

☐ All sensitive geologic or manmade features identified in the Geologic Assessment are shown and labeled.
☒ No sensitive geologic or manmade features were identified in the Geologic Assessment.
☐ **Attachment D - Exception to the Required Geologic Assessment**. A request and justification for an exception to a portion of the Geologic Assessment is attached.

22. [X] The drainage patterns and approximate slopes anticipated after major grading activities.

23. [X] Areas of soil disturbance and areas which will not be disturbed.

24. [X] Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.

25. [X] Locations where soil stabilization practices are expected to occur.

26. [ ] Surface waters (including wetlands).

    [X] N/A

27. [ ] Locations where stormwater discharges to surface water or sensitive features are to occur.

    [X] There will be no discharges to surface water or sensitive features.

28. [X] Legal boundaries of the site are shown.

Administrative Information

29. [X] Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.

30. [X] Any modification of this WPAP will require Executive Director approval, prior to construction, and may require submission of a revised application, with appropriate fees.

Water Pollution Abatement Plan Application
Attachment A

Factors Affecting Stormwater Quality

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Factors Affecting Surface Water Quality

Potential sources of pollution that may be expected to affect the quality of storm water discharges from the site during construction include:

- Soil erosion due to clearing of the site.
- Oil, grease, fuel and hydraulic fluid contamination from construction equipment and vehicle drippings.
- Hydrocarbons from asphalt paving.
- Trash and litter from construction workers and material wrappings.
- Concrete truck washout.
- Tar, fertilizers, cleaning solvents, detergents, and petroleum-based products.

Potential sources of pollution that may be expected to affect the quality of stormwater discharges from the site after development include:

- Oil, grease, fuel, and hydraulic fluid contamination from vehicle drippings.
- Dirt and dust from vehicles.
- Trash and litter.

Water Pollution Abatement Plan Application
Attachment B

Volume and Character of Stormwater

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Volume and Character of Stormwater

The overall contributing drainage area for AFHC Parking Expansion includes the 0.42-ac project area and 0.13 acres of offsite runoff from the east.

Under pre-project conditions, runoff on the site is generally conveyed from east to west, across the property. Drainage Area O-1 generally drains onto the eastern portion of the site.

Due to the small project area, the Rational Method was used to calculate the stormwater runoff for the existing and proposed conditions of the site. The characteristics of the post-project stormwater runoff generated from the site will be influenced by non-point source pollution. This will include oil and grease from paved areas, suspended solids, sedimentation, and at a minimum, nutrients for landscape care and possible pesticides and herbicides. Once discharged from the permanent and temporary BMPs, runoff will flow across existing parking and roadways prior to discharging into Lorence Creek.

Water Pollution Abatement Plan Application
Attachment C

Suitability Letter from Authorized Agent (if OSSF is proposed)

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Suitability Letter from Authorized Agent

An OSSF is not proposed as part of this project; therefore, a Suitability Letter has not been provided.

Water Pollution Abatement Plan Application
Attachment D

Exception to the Required Geologic Assessment (if requested)

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Exception to the Required Geologic Assessment

An exception to the Required Geologic Assessment is not requested for this project. The Geologic Assessment is provided within the appropriate section.

Water Pollution Abatement Plan Application
Site Plan

ENGINEERING
+ SURVEYING

Texas Commission on Environmental Quality
Water Pollution Abatement Plan
General Construction Notes

1. A written notice of construction must be submitted to the TCEQ regional office at least 48 hours prior to the start of any regulated activities. This notice must include: the name of the approved project; the activity start date; and the contact information of the prime contractor.

2. All contractors conducting regulated activities associated with this project must be provided with complete copies of the approved Water Pollution Abatement Plan (WPAP) and the TCEQ letter indicating the specific conditions of its approval. During the course of these regulated activities, the contractors are required to keep on-site copies of the approved plan and approval letter.

3. If any sensitive feature(s) (caves, solution cavity, sink hole, etc.) is discovered during construction, all regulated activities near the sensitive feature must be suspended immediately. The appropriate TCEQ regional office must be immediately notified of any sensitive features encountered during construction. Construction activities may not be resumed until the TCEQ has reviewed and approved the appropriate protective measures in order to protect any sensitive feature and the Edwards Aquifer from potentially adverse impacts to water quality.

4. No temporary or permanent hazardous substance storage tank shall be installed within 150 feet of a water supply source, distribution system, well, or sensitive feature.

5. Prior to beginning any construction activity, all temporary erosion and sedimentation (E&S) control measures must be properly installed and maintained in accordance with the approved plans and manufacturers specifications. If inspections indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations. The controls must remain in place until the disturbed areas have been permanently stabilized.

6. Any sediment that escapes the construction site must be collected and properly disposed of before the next rain event to ensure it is not washed into surface streams, sensitive features, etc.

7. Sediment must be removed from sediment traps or sedimentation ponds not later than when it occupies 50% of the basin's design capacity.

8. Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from discharging offsite.

9. All spoils (excavated material) generated from the project site must be stored on-site with proper E&S controls. For storage or disposal of spoils at another site on the Edwards Aquifer Recharge Zone, the owner of the site must receive approval of a water pollution abatement plan for the placement of fill material or mass grading prior to the placement of spoils at the other site.

10. If portions of the site will have a temporary or permanent cease in construction activity lasting longer than 14 days, soil stabilization in those areas shall be initiated as soon as possible prior to the 14th day of inactivity. If activity will resume prior to the 21st day, stabilization measures are not required. If drought conditions or inclement weather prevent action by the 14th day, stabilization measures shall be initiated as soon as possible.

11. The following records shall be maintained and made available to the TCEQ upon request: the dates when major grading activities occur; the dates when construction activities temporarily or permanently cease on a portion of the site; and the dates when stabilization measures are initiated.

12. The holder of any approved Edward Aquifer protection plan must notify the appropriate regional office in writing and obtain approval from the executive director prior to initiating any of the following:

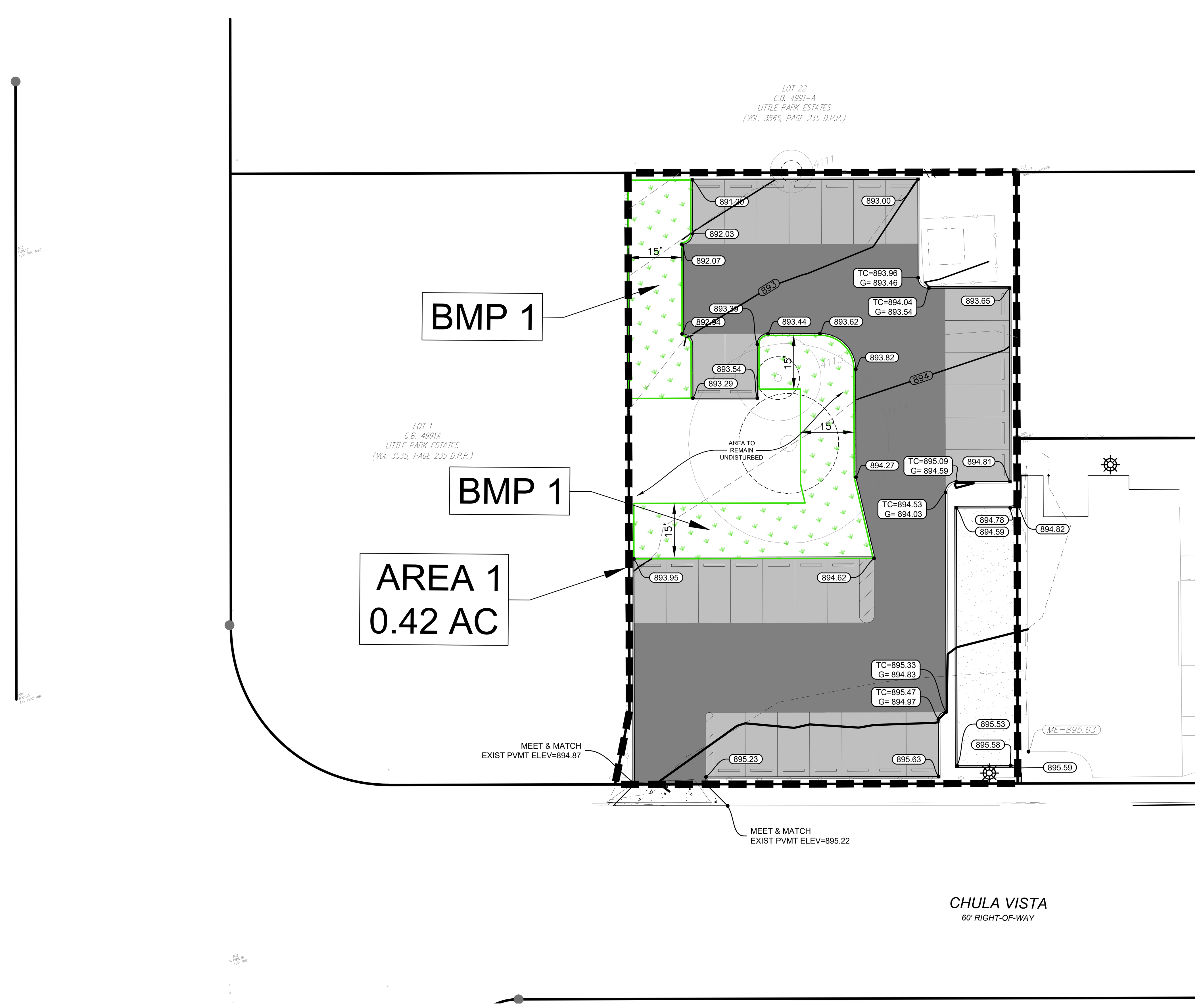
    A. any physical or operational modification of any water pollution abatement structure(s), including but not limited to ponds, dams, berms, sewage treatment plants, and diversionary structures;

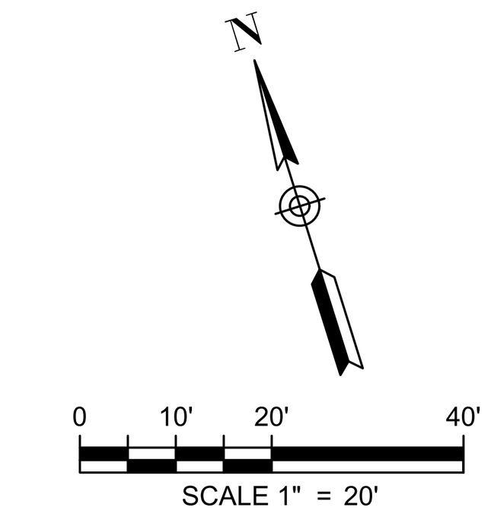
    B. any change in the nature or character of the regulated activity from that which was originally approved or a change which would significantly impact the ability of the plan to prevent pollution of the Edwards Aquifer;

    C. any development of land previously identified as undeveloped in the original water pollution abatement plan.

Austin Regional Office
12100 Park 35 Circle, Building A
Austin, Texas 78753-1808
Phone (512) 339-2929
Fax (512) 339-3795
San Antonio Regional Office
14250 Judson Road
San Antonio, Texas 78233-4480
Phone (210) 490-3096
Fax (210) 545-4329

THESE GENERAL CONSTRUCTION NOTES MUST BE INCLUDED ON THE CONSTRUCTION PLANS PROVIDED TO THE CONTRACTOR AND ALL SUBCONTRACTORS.





LEGEND

(solid line)	BOUNDARY / RIGHT OF WAY
— — XXXX — —	EXIST. GRADE ELEVATIONS

Texas Commission on Environmental Quality

TSS Removal Calculations 04-20-2009

Project Name: AFHC Parking Expansion
Date Prepared: 6/10/2024

Additional information is provided for cells with a red triangle in the upper right corner. Place the cursor over the cell.
Text shown in blue indicate location of instructions in the Technical Guidance Manual - RG-348.
Characters shown in red are data entry fields.
Characters shown in black (Bold) are calculated fields. Changes to these fields will remove the equations used in the spreadsheet.

1. The Required Load Reduction for the total project: Calculations from RG-348 — Pages 3-27 to 3-30

Page 3-29 Equation 3.3: $L_M = 27.2(A_N \times P)$

where:
$L_{M\ TOTAL\ PROJECT}$ = Required TSS removal resulting from the proposed development = 80% of increased load
A_N = Net increase in impervious area for the project
P = Average annual precipitation, inches

Site Data: Determine Required Load Removal Based on the Entire Project

County =	Bexar	
Total project area included in plan * =	0.42	acres
Predevelopment impervious area within the limits of the plan * =	0.01	acres
Total post-development impervious area within the limits of the plan* =	0.29	acres
Total post-development impervious cover fraction * =	0.69	
P =	30	inches
$L_{M\ TOTAL\ PROJECT}$ =	232	lbs.

* The values entered in these fields should be for the total project area.

Number of drainage basins / outfalls areas leaving the plan area = 1

2. Drainage Basin Parameters (This information should be provided for each basin):

Drainage Basin/Outfall Area No. =	1	
Total drainage basin/outfall area =	0.42	acres
Predevelopment impervious area within drainage basin/outfall area =	0.01	acres
Post-development impervious area within drainage basin/outfall area =	0.29	acres
Post-development impervious fraction within drainage basin/outfall area =	0.69	
$L_{M\ THIS\ BASIN}$ =	232	lbs.

3. Indicate the proposed BMP Code for this basin.

Proposed BMP =	Vegetated Filter Strips	
Removal efficiency =	85	percent

Aqualogic Cartridge Filter
Bioretention
Contech StormFilter
Constructed Wetland
Extended Detention
Grassy Swale
Retention / Irrigation
Sand Filter
Stormceptor
Vegetated Filter Strips
Vortechs
Wet Basin
Wet Vault

4. Calculate Maximum TSS Load Removed (L_R) for this Drainage Basin by the selected BMP Type.

RG-348 Page 3-33 Equation 3.7: $L_R = (\text{BMP efficiency}) \times P \times (A_I \times 34.6 + A_P \times 0.54)$

where:
A_C = Total On-Site drainage area in the BMP catchment area
A_I = Impervious area proposed in the BMP catchment area
A_P = Pervious area remaining in the BMP catchment area
L_R = TSS Load removed from this catchment area by the proposed BMP

A_C =	0.42	acres
A_I =	0.29	acres
A_P =	0.13	acres
L_R =	258	lbs

Revisions: Date:

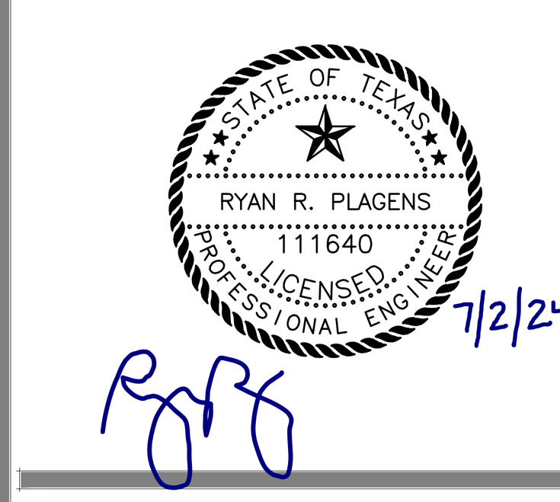
Project Name:

Alamo Feline Health Center Addition

16201 SAN PEDRO AVE.
HOLLYWOOD PARK, TEXAS 78232

Consultants:

UP ENGINEERING + SURVEYING



Architect:

DERRICK ARCHITECTS

6102 BROADWAY SUITE B-1
SAN ANTONIO, TEXAS 78209
PH: 210.822.2400
WWW.DERRICKARCH.COM

Drawing Description:

Drawing No:

Date: JUNE 28, 2024

Temporary Stormwater Section (0602)

In this Section:

Temporary Stormwater Section

Texas Commission on Environmental Quality

for Regulated Activities on the Edwards Aquifer Recharge Zone and Relating to 30 TAC §213.5(b)(4)(A), (B), (D)(I) and (G); Effective June 1, 1999

To ensure that the application is administratively complete, confirm that all fields in the form are complete, verify that all requested information is provided, consistently reference the same site and contact person in all forms in the application, and ensure forms are signed by the appropriate party.

Note: Including all the information requested in the form and attachments contributes to more streamlined technical reviews.

Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **Temporary Stormwater Section** is hereby submitted for TCEQ review and executive director approval. The application was prepared by:

Print Name of Customer/Agent: UP Engineering + Surveying

Date: 6/28/24

Signature of Customer/Agent:

Regulated Entity Name: AFHC Parking Expansion

Project Information

Potential Sources of Contamination

Examples: Fuel storage and use, chemical storage and use, use of asphaltic products, construction vehicles tracking onto public roads, and existing solid waste.

1. Fuels for construction equipment and hazardous substances which will be used during construction:

   ☒ N/A The following fuels and/or hazardous substances will be stored on the site: _____

   These fuels and/or hazardous substances will be stored in:

   ☐ Aboveground storage tanks with a cumulative storage capacity of less than 250 gallons will be stored on the site for less than one (1) year.

☐ Aboveground storage tanks with a cumulative storage capacity between 250 gallons and 499 gallons will be stored on the site for less than one (1) year.

☐ Aboveground storage tanks with a cumulative storage capacity of 500 gallons or more will be stored on the site. An Aboveground Storage Tank Facility Plan application must be submitted to the appropriate regional office of the TCEQ prior to moving the tanks onto the project.

☑ Fuels and hazardous substances will not be stored on the site.

2. ☑ **Attachment A - Spill Response Actions**. A site specific description of the measures to be taken to contain any spill of hydrocarbons or hazardous substances is attached.

3. N/A Temporary aboveground storage tank systems of 250 gallons or more cumulative storage capacity must be located a minimum horizontal distance of 150 feet from any domestic, industrial, irrigation, or public water supply well, or other sensitive feature.

4. ☑ **Attachment B - Potential Sources of Contamination**. A description of any activities or processes which may be a potential source of contamination affecting surface water quality is attached.

Sequence of Construction

5. ☑ **Attachment C - Sequence of Major Activities**. A description of the sequence of major activities which will disturb soils for major portions of the site (grubbing, excavation, grading, utilities, and infrastructure installation) is attached.

   ☑ For each activity described, an estimate (in acres) of the total area of the site to be disturbed by each activity is given.

   ☑ For each activity described, include a description of appropriate temporary control measures and the general timing (or sequence) during the construction process that the measures will be implemented.

6. ☑ Name the receiving water(s) at or near the site which will be disturbed or which will receive discharges from disturbed areas of the project: Lorence Creek

Temporary Best Management Practices (TBMPs)

Erosion control examples: tree protection, interceptor swales, level spreaders, outlet stabilization, blankets or matting, mulch, and sod. Sediment control examples: stabilized construction exit, silt fence, filter dikes, rock berms, buffer strips, sediment traps, and sediment basins. Please refer to the Technical Guidance Manual for guidelines and specifications. All structural BMPs must be shown on the site plan.

7. ☑ **Attachment D – Temporary Best Management Practices and Measures**. TBMPs and measures will prevent pollution of surface water, groundwater, and stormwater. The construction-phase BMPs for erosion and sediment controls have been designed to retain sediment on site to the extent practicable. The following information is attached:

- ☑ A description of how BMPs and measures will prevent pollution of surface water, groundwater or stormwater that originates upgradient from the site and flows across the site.
- ☑ A description of how BMPs and measures will prevent pollution of surface water or groundwater that originates on-site or flows off site, including pollution caused by contaminated stormwater runoff from the site.
- ☑ A description of how BMPs and measures will prevent pollutants from entering surface streams, sensitive features, or the aquifer.
- ☑ A description of how, to the maximum extent practicable, BMPs and measures will maintain flow to naturally-occurring sensitive features identified in either the geologic assessment, TCEQ inspections, or during excavation, blasting, or construction.

8. ☑ The temporary sealing of a naturally-occurring sensitive feature which accepts recharge to the Edwards Aquifer as a temporary pollution abatement measure during active construction should be avoided.

   - ☐ **Attachment E - Request to Temporarily Seal a Feature**. A request to temporarily seal a feature is attached. The request includes justification as to why no reasonable and practicable alternative exists for each feature.
   - ☑ There will be no temporary sealing of naturally-occurring sensitive features on the site.

9. ☑ **Attachment F - Structural Practices**. A description of the structural practices that will be used to divert flows away from exposed soils, to store flows, or to otherwise limit runoff discharge of pollutants from exposed areas of the site is attached. Placement of structural practices in floodplains has been avoided.

10. ☑ **Attachment G - Drainage Area Map**. A drainage area map supporting the following requirements is attached:

    - ☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin will be provided.
    - ☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a smaller sediment basin and/or sediment trap(s) will be used.
    - ☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin or other equivalent controls are not attainable, but other TBMPs and measures will be used in combination to protect down slope and side slope boundaries of the construction area.
    - ☐ There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. A smaller sediment basin and/or sediment trap(s) will be used in combination with other erosion and sediment controls within each disturbed drainage area.

☑ There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. Erosion and sediment controls other than sediment basins or sediment traps within each disturbed drainage area will be used.

11. ☐ **Attachment H - Temporary Sediment Pond(s) Plans and Calculations**. Temporary sediment pond or basin construction plans and design calculations for a proposed temporary BMP or measure have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer. All construction plans and design information must be signed, sealed, and dated by the Texas Licensed Professional Engineer. Construction plans for the proposed temporary BMPs and measures are attached.

    ☑ N/A

12. ☑ **Attachment I - Inspection and Maintenance for BMPs.** A plan for the inspection of each temporary BMP(s) and measure(s) and for their timely maintenance, repairs, and, if necessary, retrofit is attached. A description of the documentation procedures, recordkeeping practices, and inspection frequency are included in the plan and are specific to the site and/or BMP.

13. ☑ All control measures must be properly selected, installed, and maintained in accordance with the manufacturer's specifications and good engineering practices. If periodic inspections by the applicant or the executive director, or other information indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations.

14. ☑ If sediment escapes the construction site, off-site accumulations of sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain).

15. ☑ Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50%. A permanent stake will be provided that can indicate when the sediment occupies 50% of the basin volume.

16. ☑ Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges (e.g., screening outfalls, picked up daily).

Soil Stabilization Practices

Examples: establishment of temporary vegetation, establishment of permanent vegetation, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of trees, or preservation of mature vegetation.

17. ☑ **Attachment J - Schedule of Interim and Permanent Soil Stabilization Practices**. A schedule of the interim and permanent soil stabilization practices for the site is attached.

18. ☑ Records must be kept at the site of the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.

19. ☑ Stabilization practices must be initiated as soon as practicable where construction activities have temporarily or permanently ceased.

Administrative Information

20. ☑ All structural controls will be inspected and maintained according to the submitted and approved operation and maintenance plan for the project.

21. ☑ If any geologic or manmade features, such as caves, faults, sinkholes, etc., are discovered, all regulated activities near the feature will be immediately suspended. The appropriate TCEQ Regional Office shall be immediately notified. Regulated activities must cease and not continue until the TCEQ has reviewed and approved the methods proposed to protect the aquifer from any adverse impacts.

22. ☑ Silt fences, diversion berms, and other temporary erosion and sediment controls will be constructed and maintained as appropriate to prevent pollutants from entering sensitive features discovered during construction.

Temporary Stormwater Section Attachment A

Spill Response Actions

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Spill Response Actions

Spill Prevention and Control

The objective of this section is to describe measures to prevent or reduce the discharge of pollutants to drainage systems or watercourses from leaks and spills by reducing the chance for spills, stopping the source of spills, containing and cleaning up spills, properly disposing of spill materials, and training employees.

The following steps will help reduce the stormwater impacts of leaks and spills:

Education

1. Be aware that different materials pollute in different amounts. Make sure that each employee knows what a "significant spill" is for each material they use, and what is an appropriate response for "significant" and "insignificant" spills. Employees should also be aware of when spills must be reported to the TCEQ. Information available in 30 TAC 372.4 and 40 CFR 302.4.
2. Educate employees and subcontractors on potential dangers to humans and the environment from spills and leaks.
3. Hold regular meetings to discuss and reinforce appropriate disposal procedures (incorporate into regular safety meetings).
4. Establish a continuing education program to indoctrinate new employees.
5. Have contractor's superintendent or representative oversee and enforce proper spill prevention and control measures.

General Measures

1. To the extent that the work can be accomplished safely, spills of oil, petroleum products, substances listed under 40 CFR parts 110, 117, and 302, and sanitary and septic wastes should be contained and cleaned u immediately.
2. Store hazardous materials and wastes in covered containers and protect from vandalism.
3. Place a stockpile of spill cleanup materials where it will be readily accessible.
4. Train employees in spill prevention and cleanup.
5. Designate responsible individuals to oversee and enforce control measures.
6. Spills should be covered and protected from stormwater run-on during rainfall to the extent that it doesn't compromise cleanup activities.
7. Do not bury or wash spills with water.
8. Store and dispose of used cleanup materials, contaminated materials and recovered spill material that is no longer suitable for the intended purpose in conformance with the provisions in applicable BMPs.
9. Do not allow water used for cleaning and decontamination to enter storm drains or watercourses. Collect and dispose of contaminated water in accordance with applicable regulations.

10. Contain water overflow or minor water spillage and do not allow it to discharge into drainage facilities or watercourses.
11. Place Safety Data Sheets (SDS), as well as proper storage, cleanup, and spill reporting instructions for hazardous materials stored or used on the project site in an open, conspicuous, and accessible location.
12. Keep waste storage areas clean, well-organized, and equipment with ample cleanup supplies as appropriate for the materials being stored. Perimeter controls, containment structures, covers and liners should be repaired or replaced as needed to maintain proper function.

Cleanup

1. Clean up leaks and spills immediately.
2. Use a rag for small spills on paved surfaces, a damp mop for general cleanup, and absorbent material for larger spills. If the spilled material is hazardous, then the used cleanup materials are also hazardous and must be disposed of as hazardous waste.
3. Never hose down or bury dry material spills. Clean up as much of the material as possible and dispose of properly. See the waste management BMPs in this section for specific information.

Minor Spills

1. Minor spills typically involve small quantities of oil, gasoline, paint, etc. which can be controlled by the first responder at the discovery of the spill.
2. Use absorbent material on small spills rather than hosing down or burying the spill.
3. Absorbent material should be promptly removed and disposed of properly.
4. Follow the practice below for a minor spill:
    a. Contain the spread of the spill.
    b. Recover spilled material.
    c. Clean the contaminated area and properly dispose of contaminated materials.

Semi-Significant Spills

Semi-significant spills still can be controlled by the first responder along with the aid of other personnel such as laborers and the foreman, etc. This response may require the cessation of all other activities.

Spills should be cleaned up immediately:

1. Contain spread of the spill.
2. Notify the project foreman immediately.
3. If the spill occurs on paved or impermeable surfaces, clean up using “dry” methods (absorbent materials, cat litter and/or rags). Contain the spill by encircling with absorbent materials and do not let the spill spread widely.

4. If the spill occurs in dirt areas, immediately contain the spill before constructing an earthen dike. Dig up and properly dispose of contaminated soil.
5. If the spill occurs during rain, cover spill with tarps or other material to prevent contaminating runoff.

Significant/Hazardous Spills

For significant or hazardous spills, that are in reportable quantities:

1. Notify the TCEQ by telephone as soon as possible and within 24 hours at 512-339-2929 (Austin) or 210-490-3096 (San Antonio) between 8 AM and 5 PM. After hours, contact the Environmental Release Hotline at 1-800-832-8224. It is the contractor's responsibility to have all emergency phone numbers at the construction site.
2. For spills of federal reportable quantities, in conformance with the requirements in 40 CFR parts 110, 119, and 302, the contractor should notify the National Response Center at (800) 424-8802.
3. Notification should first be made by telephone and followed up with a written report.
4. The services of a spill contractor or a Haz-Mat team should be obtained immediately. Construction personnel should not attempt to clean up until the appropriate and qualified staffs have arrived at the job site.
5. Other agencies which may need to be consulted include, but are not limited to, the County Sheriff's Office, Fire Departments, etc.

More information on spill rules and appropriate responses is available on the TCEQ website at: https://www.tceq.texas.gov/response/spills

Vehicle and Equipment Preventative Maintenance

1. If maintenance must occur onsite, use a designated area and a secondary containment, located away from drainage courses, to prevent the run-on of stormwater and the runoff of spills.
2. Regularly inspect onsite vehicles and equipment for leaks and repair immediately.
3. Check incoming vehicles and equipment (including delivery trucks and employee/subcontractor vehicles) for leaking oil and fluids. Do not allow leaking vehicles or equipment onsite.
4. Always use secondary containment, such as a drain pan or drop cloth, to catch spills or leaks when removing or changing fluids.
5. Place drip pans or absorbent materials under paving equipment when not in use.
6. Use absorbent materials on small spills rather than hosing down or burying the spill. Remove absorbent materials promptly and dispose of properly.
7. Promptly transfer used fluids to the proper waste or recycle drums. Don't leave full drip pans or other open containers lying around.

8. Oil filters disposed of in trash cans or dumpsters can leak oil and pollute stormwater. Place the oil filter in a funnel over a waste oil-recycling drum to drain excess oil before disposal. Oil filters can also be recycled. Ask the oil supplier or recycler about recycling oil filters.
9. Store cracked batteries in a non-leaking secondary container. Do this with all cracked batteries even if you think all the acid has drained out. If you drop a battery, treat it as if it is cracked. Put it into the containment area until you are sure it is not leaking.

Vehicle and Equipment Fueling

1. If fueling must occur onsite, use designated areas, located away from drainage courses, to prevent the run-on of stormwater and the runoff of spills.
2. Discourage "topping off" of fuel tanks.
3. Always use secondary containment, such as a drain pan, when fueling to catch spills/leaks.

Temporary Stormwater Section Attachment B

Potential Sources of Contamination

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Potential Sources of Contamination

1. Oil, grease, fuel and hydraulic contamination from construction equipment and vehicle leakage.
   Remedy: Lubrication and fueling will be performed in a designated area. This area will be monitored daily for contamination.

2. Miscellaneous trash and litter from construction works.
   Remedy: Designated receptacles will be strategically located, and works will be directed to deposit trash there.

3. Construction debris.
   Remedy: Debris will be collected weekly and deposited in bins for offsite disposal. Situations requiring immediate attention will be handled on a case-by-case basis.

4. Asphalt products.
   Remedy: After placement of asphalt, emulsion or coatings, the contractor will be responsible for immediate cleanup should an unexpected rain occur. For the duration of the asphalt product curing time, the contractor will maintain standby personnel and equipment to control asphalt wash-off should an unexpected rain occur. The contractor will be instructed not to place asphalt products on the ground within 48 hours of a forecasted rain.

5. Tar, fertilizers, cleaning solvents, detergents, and petroleum-based products.
   Remedy: The contractor will be responsible for immediate cleanup should an unexpected rain occur. Debris will be collected weekly and deposited in bins for offsite disposal. Situations requiring immediate attention will be handled on a case-by-case basis.

Temporary Stormwater Section
Attachment C

Sequence of Major Activities

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Sequence of Major Activities

1. Install erosion and sedimentation controls (i.e. silt fences and stabilized construction entrances) as indicated on the approved construction plans.
2. Perform mass grading of the site (~0.42 acres).
3. Install pavement subgrade.
4. Pour concrete curbs.
5. Install/pour asphalt pavement.
6. Install landscaping or hydromulch to disturbed areas.
7. Re-vegetate disturbed areas.
8. Remove temporary erosion and sedimentation controls.

Temporary Stormwater Section Attachment D

Temporary Best Management Practices and Measures

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Temporary Best Management Practices and Measures

The temporary Best Management Practices (BMP's) shall be installed as the first construction activity and will remain in place until all construction activities are complete and 70% of the vegetative cover has been established. Construction will be conducted in one phase, with a designated construction exit, a silt fence along the down gradient side of the tract, and tree protection for the undisturbed trees where applicable. The existing native grasses will be left undisturbed in areas not under construction. Rock berms will be placed where streets end at discharge points and flood plain crossings are to be installed. The temporary BMP's shall be installed according to details on the Water Pollution Abatement Plan detail sheet. The silt fences will be anchored six (6) inches into the soil and shall be monitored weekly for any failures of the silt fence or problems associated with silt build up. Buffer areas for recharge features shall be established prior to any construction on the site.

a. To prevent pollution of surface water, groundwater or storm water that originates upgradient from the site and flows across the site, silt fencing will be placed along the down gradient side of the site and around indicated sensitive features.

b. To prevent pollution of surface water or groundwater that originates on-site or flows off site, including pollution caused by contaminated storm water runoff from the site, silt fencing will be placed along the down gradient sides of the site and rock berms will be placed at the grade-to-drain areas at the ends of the streets (if applicable). A construction exit will also be installed at the entrance to the location and a storage and refueling area will be designated on the site for the unit.

c. To prevent pollutants from entering surface streams, sensitive features, or the aquifer, the silt fence and rock berms mentioned in item b above will be installed. Once identified, sensitive features will be protected using hay bale dikes, sand bag berms or other methods acceptable to TCEQ.

d. To maintain flow to naturally occurring sensitive features identified in the geologic assessment, inspections, or during construction, the hay bale dikes or sand bag berms mentioned in item c above will be installed. If a feature must be sealed, when possible the feature will be filled with boulders and gravel and capped with concrete.

Temporary Stormwater Section
Attachment E

Request to Temporarily Seal a Feature

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Request to Temporarily Seal a Feature

Temporary sealing of features is not proposed with this project; therefore, this section is not applicable. If a feature is encountered, both TCEQ and the project geologist will be contacted to evaluate the potential sensitivity of the feature.

Temporary Stormwater Section
Attachment F

Structural Practices

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STRUCTURAL PRACTICES

Silt fences will be used on site to trap sediments and pollutants from leaving the areas of construction.

Temporary Stormwater Section
Attachment G

Drainage Area Map

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Drainage Area Map

There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. Instead, silt fences will be used to limit pollutant discharges before becoming concentrated channel flow.

Temporary Stormwater Section
Attachment H

Temporary Sediment Pond(s) Plans and Calculations

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Temporary Sediment Pond(s) Plans and Calculations

Not Applicable

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Temporary Stormwater Section Attachment I

Inspection and Maintenance for BMPs

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INSPECTION AND MAINTENANCE FOR BMP'S

The temporary BMP's will be scheduled for inspection and repair once every week (7 days) and following any rainfall event that is greater than 0.5 inch. The contractor is responsible for logging all inspections, rainfall events and repairs. The contractor is also responsible for cleaning up any sediment that is released onto adjacent roadways after any rainfall event. The following forms shall be used for inspection and maintenance reports that are required to be kept on the project site by the contractor.

STORM WATER POLLUTION PREVENTION PLAN

INSPECTION AND MAINTENANCE REPORT

CHANGES REQUIRED TO THE POLLUTION PREVENTION PLAN:

_____

_____

_____

_____

REASONS FOR CHANGES:

_____

_____

_____

_____

INSPECTOR'S SIGNATURE:_____ DATE:_____

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Silt Fence

Description

This item shall consist of providing and placing a filter fabric fence including maintenance of the fence, removal of accumulated silt and removal of the fence upon completion of the project.

Materials

(1) Fabric

(a) General: The filter fabric shall be of nonwoven polypropylene, polyethylene or polyamide thermoplastic fibers with non-raveling edges. The fabric shall be non-biodegradable, inert to most soil chemicals, ultraviolet resistant, unaffected by moisture or other weather conditions, and permeable to water while retaining sediment. The filter fabric shall be supplied in rolls a minimum of 36 inches wide.

(b) Physical Requirements: The fabric shall meet the following requirements when sampled and tested in accordance with the methods indicated.

Physical Properties	Method	Requirements
Fabric Weight(oz/sy)	TEX-616-J	4.5 minimum
Water Flow Rate (gal/sq. ft/minute)	TEX-616-J	40 maximum
Equivalent Opening Size: US Standard sieve(number)	CW-02215, US Army Corps of Engineers	40 to 100
Mullen Burst Strength(psi)	ASTM D 3786	300 minimum
Ultraviolet Resistance; Strength retention (%)	ASTM D 1682	70 minimum

(2) Posts: Posts shall be painted or galvanized steel Tee or Y-posts with anchor plates, not less than 4 feet in length with a minimum weight of 1.25 pounds per foot with a minimum Brinell Hardness of 140. Hangers shall be adequate to secure fence and fabric to posts. Posts and anchor plates shall conform to ASTM A 702.

(3) Wire Fence: Wire fence shall be woven wire backing to support the fabric should be 2” x 4” welded wire, 12 gauge minimum.

Construction Methods

The silt fence fabric shall be securely attached to the posts and the wire support fence with the bottom 12 inches of the filter material buried in a trench a minimum of 6 inches deep and 6 inches wide to prevent sediment form passing under the fence. When the silt fence is constructed on impervious material, a 12-inch flap of fabric shall be extended upstream from the bottom of the silt fence and weighted to limit particulate loss. No horizontal joints will be allowed in the filter fabric. Vertical joints shall be overlapped a minimum of 12 inches with the ends sewn or otherwise securely tied.

The silt fence shall be a minimum of 24 inches high. Posts shall be embedded a minimum of 12 inches in the ground, placed a maximum of 8 feet apart and set on a slight angle toward the anticipated runoff source. When directed by the Engineer, posts shall be set at specified intervals to support concentrated loads.

The silt fence shall be repaired, replaced, and/or relocated when necessary or as directed by the Engineer. Accumulated silt shall be removed when it reaches a depth of 6 inches.

Measurement

The work performed, and the materials furnished under this item will be measured by the linear foot of “Silt Fence”, complete in place.

Stabilized Construction Exit

Description

This item involves constructing a stabilized pad of crushed stone located at any point where traffic will be entering or leaving a construction site to or from a public right-of-way, street, alley, sidewalk or parking area. The purpose of a stabilized construction entrance is to reduce or eliminate the tracking or deposition of sediment onto public right-of-way.

Materials

Aggregate for construction shall conform to the following gradation:

Table 1: Aggregate Gradation Chart (TEX 401-A, Percent Retained)		
8 inch	5 inch	2 inch
0	90-100	100

Construction Methods

All trees, brush, stumps, obstructions and other objectionable material shall be removed and disposed of so as not to interfere with the excavation and construction of the entrance as indicated. The entrance shall not drain onto the public right-of-way or leave the construction site.

When necessary, vehicle wheels shall be cleaned to remove sediment prior to entrance onto public right-of-way. When washing is required, it shall be done on an area stabilized with crushed stone which drains into an approved sediment trap or sediment basin. All sediment shall be prevented from entering any storm drain, ditch or watercourse through use of sand bags, gravel, boards, silt fence or other approved methods.

The entrance shall be maintained in a condition which will prevent tracking or disposition of sediment onto public right-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public right-of-way must be removed immediately.

Measurement

Acceptable work performed as prescribed in this item will be measured by unit of each stabilized construction entrance installed.

INSPECTIONS

DATE OF INSPECTION	CONTROL INSPECTED	OBSERVATIONS	COMPLIANCE WITH SWPPP		INSPECTOR'S SIGNATURE	TITLE/ QUALIFICATIONS
			YES	NO		

RECORD OF CONSTRUCTION ACTIVITY

DATE STARTED	DATE ENDED	TYPE OF ACTIVITY	CONTROL MEASURES	INSPECTOR SIGNATURE	TITLE/ COMPANY

NON-STORMWATER DISCHARGES

DATE	INSPECTOR	TITLE	COMPANY	DISHARGE TYPE	POLLUTION CONTROL MEASURE

CONSTRUCTION MATERIALS

DATE STORED ONSITE	DATE REMOVED FROM SITE	DESCRIPTION	INSPECTOR'S SIGNATURE	TITLE	COMPANY

STABILIZATION RECORD

CONSTRUCTION/GRADING		STABILIZATION			SIGNATURE		
DATE BEGAN	DATE ENDED	DATE BEGAN	AREA OF SITE STABILIZATION	TYPE OF STABILIZATION USED	INSPECTOR	TITLE	COMPANY

RAINFALL DATA

DATE OF RECORDED RAINFALL	AMOUNT OF RAINFALL (INCHES)	SIGNATURE OF INSPECTOR	TITLE/COMPANY

SUBCONTRACTOR RESPONSIBILITIES

				INITIALS	
DATE	**SUBCONTRACTOR COMPANY**	**CONSTRUCTION ACTIVITY TO BE PERFORMED**	**DESCRIPTION OF POLLUTION PREVENTION RESPONSIBILITY**	**SUBCONTRACTOR**	**CONTRACTOR**

Temporary Stormwater Section
Attachment J

Schedule of Interim and Permanent Soil Stabilization Practices

Schedule of Interim and Permanent Soil Stabilization Practices

Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased. Where the initiation of stabilization measures by the 14th day after construction activity temporary or permanently cease is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable. Where construction activity on a portion of the site is temporarily ceased, and earth disturbing activities will be resumed within 21 days, temporary stabilization measures do not have to be initiated on that portion of site. In areas experiencing droughts where the initiation of stabilization measures by the 14th day after construction activity has temporarily or permanently ceased is precluded by seasonal arid conditions, stabilization measures shall be initiated as soon as practicable.

After all sanitary sewer construction has been completed, final stabilization of the construction area on all unpaved areas and areas not covered by permanent structures shall be completed by even distribution of 70% of the native background vegetative cover or equivalent permanent stabilization measures.

Revegetation will be necessary for soil stabilization of any offsite sanitary sewer construction. Seeding should be used for these areas. The specified seeding requirements are based on the seasonal San Antonio District Seeding Requirement as specified by Item 164 of the 2004 Texas Department of Transportation specifications Book.

Permanent Stormwater Section (TCEQ-0600)

In this Section:

UP ENGINEERING

Permanent Stormwater Section

Texas Commission on Environmental Quality

for Regulated Activities on the Edwards Aquifer Recharge Zone and Relating to 30 TAC §213.5(b)(4)(C), (D)(Ii), (E), and (5), Effective June 1, 1999

To ensure that the application is administratively complete, confirm that all fields in the form are complete, verify that all requested information is provided, consistently reference the same site and contact person in all forms in the application, and ensure forms are signed by the appropriate party.

Note: Including all the information requested in the form and attachments contributes to more streamlined technical reviews.

Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **Permanent Stormwater Section** is hereby submitted for TCEQ review and executive director approval. The application was prepared by:

Print Name of Customer/Agent: UP Engineering + Surveying

Date: 6/28/24

Signature of Customer/Agent

Regulated Entity Name: AFHC Parking Expansion

Permanent Best Management Practices (BMPs)

Permanent best management practices and measures that will be used during and after construction is completed.

1. ☑ Permanent BMPs and measures must be implemented to control the discharge of pollution from regulated activities after the completion of construction.

   ☐ N/A

2. ☑ These practices and measures have been designed, and will be constructed, operated, and maintained to insure that 80% of the incremental increase in the annual mass loading of total suspended solids (TSS) from the site caused by the regulated activity is removed. These quantities have been calculated in accordance with technical guidance prepared or accepted by the executive director.

   ☑ The TCEQ Technical Guidance Manual (TGM) was used to design permanent BMPs and measures for this site.

☐ A technical guidance other than the TCEQ TGM was used to design permanent BMPs and measures for this site. The complete citation for the technical guidance that was used is: _____

☐ N/A

3. ☑ Owners must insure that permanent BMPs and measures are constructed and function as designed. A Texas Licensed Professional Engineer must certify in writing that the permanent BMPs or measures were constructed as designed. The certification letter must be submitted to the appropriate regional office within 30 days of site completion.

   ☐ N/A

4. Where a site is used for low density single-family residential development and has 20 % or less impervious cover, other permanent BMPs are not required. This exemption from permanent BMPs must be recorded in the county deed records, with a notice that if the percent impervious cover increases above 20% or land use changes, the exemption for the whole site as described in the property boundaries required by 30 TAC §213.4(g) (relating to Application Processing and Approval), may no longer apply and the property owner must notify the appropriate regional office of these changes.

   ☐ The site will be used for low density single-family residential development and has 20% or less impervious cover.
   ☐ The site will be used for low density single-family residential development but has more than 20% impervious cover.
   ☑ The site will not be used for low density single-family residential development.

5. The executive director may waive the requirement for other permanent BMPs for multi-family residential developments, schools, or small business sites where 20% or less impervious cover is used at the site. This exemption from permanent BMPs must be recorded in the county deed records, with a notice that if the percent impervious cover increases above 20% or land use changes, the exemption for the whole site as described in the property boundaries required by 30 TAC §213.4(g) (relating to Application Processing and Approval), may no longer apply and the property owner must notify the appropriate regional office of these changes.

   ☐ **Attachment A - 20% or Less Impervious Cover Waiver**. The site will be used for multi-family residential developments, schools, or small business sites and has 20% or less impervious cover. A request to waive the requirements for other permanent BMPs and measures is attached.
   ☑ The site will be used for multi-family residential developments, schools, or small business sites but has more than 20% impervious cover.
   ☐ The site will not be used for multi-family residential developments, schools, or small business sites.

6. ☑ **Attachment B - BMPs for Upgradient Stormwater**.

☑ A description of the BMPs and measures that will be used to prevent pollution of surface water, groundwater, or stormwater that originates upgradient from the site and flows across the site is attached.

☐ No surface water, groundwater or stormwater originates upgradient from the site and flows across the site, and an explanation is attached.

☐ Permanent BMPs or measures are not required to prevent pollution of surface water, groundwater, or stormwater that originates upgradient from the site and flows across the site, and an explanation is attached.

7. ☑ **Attachment C - BMPs for On-site Stormwater**.

☑ A description of the BMPs and measures that will be used to prevent pollution of surface water or groundwater that originates on-site or flows off the site, including pollution caused by contaminated stormwater runoff from the site is attached.

☐ Permanent BMPs or measures are not required to prevent pollution of surface water or groundwater that originates on-site or flows off the site, including pollution caused by contaminated stormwater runoff, and an explanation is attached.

8. ☐ **Attachment D - BMPs for Surface Streams**. A description of the BMPs and measures that prevent pollutants from entering surface streams, sensitive features, or the aquifer is attached. Each feature identified in the Geologic Assessment as sensitive has been addressed.

☑ N/A

9. ☑ The applicant understands that to the extent practicable, BMPs and measures must maintain flow to naturally occurring sensitive features identified in either the geologic assessment, executive director review, or during excavation, blasting, or construction.

☑ The permanent sealing of or diversion of flow from a naturally-occurring sensitive feature that accepts recharge to the Edwards Aquifer as a permanent pollution abatement measure has not been proposed.

☐ **Attachment E - Request to Seal Features**. A request to seal a naturally-occurring sensitive feature, that includes, for each feature, a justification as to why no reasonable and practicable alternative exists, is attached.

10. ☑ **Attachment F - Construction Plans**. All construction plans and design calculations for the proposed permanent BMP(s) and measures have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer, and are signed, sealed, and dated. The plans are attached and, if applicable include:

☑ Design calculations (TSS removal calculations)

☑ TCEQ construction notes

☑ All geologic features

☑ All proposed structural BMP(s) plans and specifications

☐ N/A

11. ☑ **Attachment G - Inspection, Maintenance, Repair and Retrofit Plan**. A plan for the inspection, maintenance, repairs, and, if necessary, retrofit of the permanent BMPs and measures is attached. The plan includes all of the following:

    ☑ Prepared and certified by the engineer designing the permanent BMPs and measures
    ☑ Signed by the owner or responsible party
    ☑ Procedures for documenting inspections, maintenance, repairs, and, if necessary retrofit
    ☑ A discussion of record keeping procedures

    ☐ N/A

12. ☐ **Attachment H - Pilot-Scale Field Testing Plan**. Pilot studies for BMPs that are not recognized by the Executive Director require prior approval from the TCEQ. A plan for pilot-scale field testing is attached.

    ☑ N/A

13. ☑ **Attachment I -Measures for Minimizing Surface Stream Contamination**. A description of the measures that will be used to avoid or minimize surface stream contamination and changes in the way in which water enters a stream as a result of the construction and development is attached. The measures address increased stream flashing, the creation of stronger flows and in-stream velocities, and other in-stream effects caused by the regulated activity, which increase erosion that results in water quality degradation.

    ☐ N/A

Responsibility for Maintenance of Permanent BMP(s)

Responsibility for maintenance of best management practices and measures after construction is complete.

14. ☑ The applicant is responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. Such entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred.

    ☐ N/A

15. ☐ A copy of the transfer of responsibility must be filed with the executive director at the appropriate regional office within 30 days of the transfer if the site is for use as a multiple single-family residential development, a multi-family residential development, or a non-residential development such as commercial, industrial, institutional, schools, and other sites where regulated activities occur.

    ☑ N/A

Permanent Stormwater Section
Attachment A

20% or Less Impervious Cover Waiver

UP ENGINEERING

20% or Less Impervious Cover Waiver

This site does not qualify for this waiver. Permanent water quality measures will be provided.

Permanent Stormwater Section
Attachment B

BMPs for Upgradient Stormwater

UP ENGINEERING

BMPs for Upgradient Stormwater

Approximately 0.13-ac of developed runoff is conveyed onto the property from the east. The offsite runoff will maintain its drainage pattern across the proposed improvements. This is existing impervious cover that will convey through the proposed vegetative filter strips.

Permanent Stormwater Section
Attachment C

BMPs for On-site Stormwater

UP ENGINEERING

BMPs for On-site Stormwater

Vegetative filter strips are proposed to treat the required 80% of the difference in the total suspended solids in pre-and post-developed conditions in accordance with Edwards Aquifer Technical Guidance Manual RG-348 (revised July 2018). The flow to the filter strips will sheet flow across the proposed parking area. Runoff leaving the filter strips is conveyed across the remaining property as it is under existing conditions.

See the attached calculations for details.

Texas Commission on Environmental Quality

TSS Removal Calculations 04-20-2009

Project Name: AFHC Parking Expansion
Date Prepared: 6/10/2024

Additional information is provided for cells with a red triangle in the upper right corner. Place the cursor over the cell.
Text shown in blue indicate location of instructions in the Technical Guidance Manual - RG-348.
Characters shown in red are data entry fields.
Characters shown in black (Bold) are calculated fields. Changes to these fields will remove the equations used in the spreadsheet.

1. The Required Load Reduction for the total project: Calculations from RG-348 Pages 3-27 to 3-30

Page 3-29 Equation 3.3: $L_M = 27.2(A_N \times P)$

where:

$L_{M\ TOTAL\ PROJECT}$ = Required TSS removal resulting from the proposed development = 80% of increased load
A_N = Net increase in impervious area for the project
P = Average annual precipitation, inches

Site Data: Determine Required Load Removal Based on the Entire Project

County =	Bexar	
Total project area included in plan * =	0.42	acres
Predevelopment impervious area within the limits of the plan* =	0.01	acres
Total post-development impervious area within the limits of the plan* =	0.29	acres
Total post-development impervious cover fraction * =	0.69	
P =	30	inches
$L_{M\ TOTAL\ PROJECT}$ =	232	lbs.

* **The values entered in these fields should be for the total project area.**

Number of drainage basins / outfalls areas leaving the plan area = 1

2. Drainage Basin Parameters (This information should be provided for each basin):

Drainage Basin/Outfall Area No. = 1

Total drainage basin/outfall area=	0.42	acres
Predevelopment impervious area within drainage basin/outfall area=	0.01	acres
Post-development impervious area within drainage basin/outfall area=	0.29	acres
Post-development impervious fraction within drainage basin/outfall area=	0.69	
$L_{M\ THIS\ BASIN}$ =	232	lbs.

3. Indicate the proposed BMP Code for this basin.

Proposed BMP = Vegetated Filter Strips
Removal efficiency = 85 percent

Aqualogic Cartridge Filter
Bioretention
Contech StormFilter
Constructed Wetland
Extended Detention
Grassy Swale
Retention / Irrigation
Sand Filter
Stormceptor
Vegetated Filter Strips
Vortechs
Wet Basin
Wet Vault

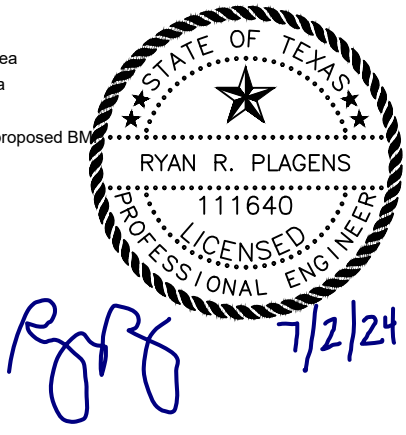
4. Calculate Maximum TSS Load Removed (L_R) for this Drainage Basin by the selected BMP Type.

RG-348 Page 3-33 Equation 3.7: L_R = (BMP efficiency) x P x (A_I x 34.6 + A_P x 0.54)

where:

A_C = Total On-Site drainage area in the BMP catchment area
A_I = Impervious area proposed in the BMP catchment area
A_P = Pervious area remaining in the BMP catchment area
L_R = TSS Load removed from this catchment area by the proposed BM

A_C =	0.42	acres
A_I =	0.29	acres
A_P =	0.13	acres
L_R =	258	lbs



5. Calculate Fraction of Annual Runoff to Treat the drainage basin / outfall area

Desired $L_{M\ THIS\ BASIN}$ = **232** lbs.

F = **0.90**

Permanent Stormwater Section
Attachment D

BMPs for Surface Streams

UP ENGINEERING

BMPs for Surface Streams

While the site contributes to Lorence Creek, no BMPs are proposed on the surface stream itself as the site is not directly connected to the stream or tributaries of the stream.

Permanent Stormwater Section
Attachment E

Request to Seal Features

UP ENGINEERING

Request to Seal Features

No features were observed onsite; therefore, no requests are proposed to seal features.

Permanent Stormwater Section
Attachment F

Construction Plans

UP ENGINEERING

--PARKING LOT EXPANSION--

FOR

ALAMO FELINE HEALTH CENTER

OWNER / DEVELOPER:

ALAMO FELINE HEALTH CENTER
16201 SAN PEDRO AVE
HOLLYWOOD PARK, TX 78232
210-404-2287
CONTACT: DR. GARY NORSWORTHY

CIVIL ENGINEER:

UP ENGINEERING & SURVEYING
111 TOWER DRIVE, SUITE 325
SAN ANTONIO, TX 78232
210-774-5504
CONTACT: RYAN R. PLAGENS, P.E.

SURVEYOR:

UP ENGINEERING & SURVEYING
111 TOWER DRIVE, SUITE 325
SAN ANTONIO, TX 78232
210-774-5504
CONTACT: RICHARD NEUBAUER III, R.P.L.S.

GEOTECH:

PROFESSIONAL SERVICE INDUSTRIES, INC.
3 BURWOOD LANE
SAN ANTONIO, TX 78216
210-342-9377
CONTACT: DEXTER BACON, P.E.

STRUCTURAL ENGINEER:

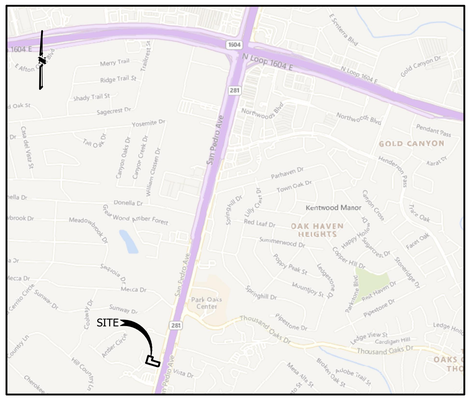
DANYSH & ASSOCIATS
105 BILTMORE, SUITE 100
SAN ANTONIO, TX 78213
210-341-5161
CONTACT: VANESSA VLADEZ, P.E.

ARCHITECT:

DERRICK ARCHITECTS, LLC
6102 BROADWAY, SUITE B-1
SAN ANTONIO, TX 78209
210-822-2400
CONTACT: DANNY DERRICK, AIA

MEP:

MSJ CONSULTING ENGINEERS
8200 W. INTERSTATE 10, SUITE 312
SAN ANTONIO, TX 78230
210-732-4265
CONTACT: IAN VOHWINKLE, P.E.



VICINITY MAP
N.T.S.

SUBMITTAL DATE:
July 1, 2024

Sheet List Table	
Sheet Number	Sheet Title
C000	COVER SHEET
C001	GENERAL NOTES
C002	LEGEND & ABBREVIATIONS
C100	EXISTING CONDITIONS
C200	EROSION & SEDIMENTATION CONTROL PLAN
C201	EROSION & SEDIMENTATION CONTROL DETAILS
CD100	DEMOLITION PLAN
CS100	SITE PLAN
CP100	PAVING PLAN
CG101	GRADING PLAN
C600	CONSTRUCTION DETAILS

FLOODPLAIN INFORMATION:

THIS PROPERTY IS LOCATED WITHIN ZONE 'X'. ZONE X IS THE AREA DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD AND PROTECTED BY LEVEE FROM 100 YEAR FLOOD., AS SHOWN ON F.I.R.M. PANEL NO. 48029C0255G, BEXAR COUNTY, TEXAS DATED SEPTEMBER 29, 2010.

THIS FLOOD STATEMENT DOES NOT IMPLY THAT THE PROPERTY AND/OR THE STRUCTURES THEREON WILL BE FREE FROM FLOODING OR FLOOD DAMAGE. THIS FLOOD STATEMENT SHALL NOT CREATE LIABILITY ON THE PART OF THE SURVEYOR.

WATERSHED:

THIS PROPERTY IS LOCATED WITHIN THE HEADWATERS SALADO CREEK.

BENCHMARK:

10
N: 13762126.860
E:2135452.759
ELEV: 892.127
"X" CUT ON BACK OF CURB

11
N: 13762158.109
E: 2135319.580
ELEV: 895.680
'X' CUT ON BACK OF CURB

SURVEY BASIS:

ALL BEARINGS ARE BASED ON THE TEXAS COORDINATE SYSTEM, GRID NORTH, SOUTH CENTRAL ZONE, (4204), NAD83, ALL DISTANCES WERE ADJUSTED TO SURFACE USING A COMBINED SCALE FACTOR OF 1.00016408109.

LEGAL DESCRIPTION:

THE REMAINING PORTION OF LOT 22, C.B. 4991-A, LITTLE PARK ESTATES (VOL 9725 PGS 1249-1252 O.P.R.) TOWN OF HOLLYWOOD PARK, BEXAR COUNTY, TEXAS.

UTILITY PROVIDERS:

ELECTRIC: CPS ENERGY
145 NAVARRO
SAN ANTONIO, TX 78205
(210) 353-2376

WATER & WASTEWATER: SAN ANTONIO WATER SYSTEM
2800 U.S HWY 281 NORTH
SAN ANTONIO, TX 78212
(210) 233-2009

LAND USE SUMMARY:

ZONING: B
PROPOSED SITE USE: PARKING LOT UPDATE ARE FOR REMAINING PORTION OF LOT 22

COVER NOTES

1. RELEASE OF THIS APPLICATION DOES NOT CONSTITUTE A VERIFICATION OF ALL DATA, INFORMATION AND CALCULATIONS SUPPLIED BY THE APPLICANT. THE ENGINEER OF RECORD IS SOLELY RESPONSIBLE FOR THE COMPLETENESS, ACCURACY AND ADEQUACY OF HIS/ HER SUBMITTAL, WHETHER OR NOT THE APPLICATION IS REVIEWED FOR CODE COMPLIANCE BY CITY ENGINEERS.
2. BY THE ACT OF SUBMITTING A BID FOR THE PROPOSED CONTRACT, THE BIDDER WARRANTS THAT THE BIDDER, AND ALL SUBCONTRACTORS AND MATERIAL SUPPLIERS HE INTENDS TO USE HAVE CAREFULLY AND THOROUGHLY REVIEWED THE DRAWINGS AND SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS AND HAVE FOUND THEM COMPLETE AND FREE FROM ANY AMBIGUITIES AND SUFFICIENT FOR THE PURPOSE INTENDED. THE BIDDER FURTHER WARRANTS THAT TO THE BEST OF HIS OR HIS SUBCONTRACTORS AND MATERIAL SUPPLIERS KNOWLEDGE ALL MATERIALS AND PRODUCTS SPECIFIED OR INDICATED HEREIN ARE ACCEPTABLE FOR ALL APPLICABLE CODES AND AUTHORITIES.
3. THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS HAS BEEN BASED UPON RECORD INFORMATION AND/OR A FIELD SURVEY, AND MAY NOT MATCH LOCATIONS AS CONSTRUCTED. THE CONTRACTOR SHALL CONTACT THE "ONE CALL" SYSTEM @ 811, OR THE OWNER OF EACH INDIVIDUAL UTILITY, FOR ASSISTANCE IN DETERMINING EXISTING UTILITY LOCATIONS PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF UTILITY CROSSING PRIOR TO BEGINNING CONSTRUCTION.
4. ALL CONSTRUCTION OPERATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE REGULATIONS OF THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION. (OSHA STANDARDS MAY BE PURCHASED FROM THE GOVERNMENT PRINTING OFFICE; INFORMATION AND RELATED REFERENCE MATERIALS MAY BE PURCHASED FROM OSHA, FOUNTAINHEAD TOWER, SUITE 605, 8200 W. INTERSTATE 10, SAN ANTONIO, TEXAS 78230).
5. CONTRACTOR SHALL RESTORE ALL SIGNS AND PAVEMENT MARKINGS TO EXISTING CONDITIONS FOLLOWING THE COMPLETION OF EACH PHASE OF CONSTRUCTION. CONTRACTORS SHALL REFER TO THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD) FOR SIGN AND MARKING DIMENSIONS AND COLORS.
6. ANY DEVELOPMENT, EXCAVATION, CONSTRUCTION, OR FILLING IN A REGULATED AREA SUCH AS A US CORPS OF ENGINEERS WATER DESIGNATED WETLANDS, WATERS OF THE US, NCRS DAM OR SPILLWAY AND/OR FEMA FLOODPLAIN IS SUBJECT TO LOCAL, STATE AND FEDERAL APPROVALS. THE CONTRACTOR SHALL COMPLY WITH ALL PERMIT REQUIREMENTS AND/OR RESTRICTIONS. ANY VIOLATION WILL BE SUBJECT TO FEDERAL PENALTY. THE CONTRACTOR SHALL HOLD THE OWNER/DEVELOPER, THE ENGINEER, AND THE LOCAL GOVERNING AGENCIES HARMLESS AGAINST SUCH VIOLATIONS

Revisions: Date:

Project Name:

ALAMO FELINE HEALTH CENTER ADDITION

16201 SAN PEDRO AVE.
HOLLYWOOD PARK, TEXAS 78232

Consultants:

UP ENGINEERING + SURVEYING

STATE OF TEXAS
RYAN R. PLAGENS
111640
LICENSED
PROFESSIONAL ENGINEER
7/2/24

Architect:

DERRICK ARCHITECTS

6102 BROADWAY SUITE B-1
SAN ANTONIO, TEXAS 78209
PH: 210.822.2400
WWW.DERRICKARCH.COM

Drawing Description:
COVER SHEET

Drawing No:
C000

Date: JUNE 28, 2024

PLOT STYLE: IWA.ctb PLOT DATE: July 2, 2024
SAVE DATE: 7/1/2024 8:42 AM USER: Ello
FILE: U:_Projects\538 - Alamo Feline Health Center\ACAD\Sheets\538 - C000 - COVER SHEET.dwg

GENERAL NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THE TOWN OF HOLLYWOOD PARK STANDARD SPECIFICATIONS (AS APPLICABLE) OR OTHER ADOPTED STANDARD SPECIFICATIONS.
2. NO EXTRA PAYMENT SHALL BE ALLOWED FOR WORK CALLED FOR ON THE PLANS, BUT NOT INCLUDED IN THE BID PROPOSAL. THIS INCIDENTAL WORK WILL BE REQUIRED AND SHALL BE INCLUDED IN THE PAY ITEM TO WHICH IT RELATES.
3. THE CONTRACTOR SHALL PROVIDE ACCESS FOR THE DELIVERY OF MAIL BY THE U.S. POSTAL SERVICE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ITS ORIGINAL OR BETTER CONDITION ANY DAMAGE DONE TO EXISTING FENCES, CONCRETE ISLANDS, STREET PAVING, CURBS, SHRUBS, BUSHES OR DRIVEWAYS. (NO SEPARATE PAY ITEM).
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SEE THAT ALL SIGNS AND BARRICADES ARE PROPERLY INSTALLED AND MAINTAINED. ALL LOCATIONS AND DISTANCES WILL BE DECIDED UPON IN THE FIELD BY THE CONTRACTOR, USING THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES". THE CITY'S CONSTRUCTION INSPECTOR AND TRAFFIC ENGINEERING REPRESENTATIVE WILL ONLY BE RESPONSIBLE TO INSPECT BARRICADES AND SIGNS. IF, IN THE OPINION OF THE TRAFFIC ENGINEERING REPRESENTATIVE AND THE CONSTRUCTION INSPECTOR, THE BARRICADES AND SIGNS DO NOT CONFORM TO ESTABLISHED STANDARDS OR ARE INCORRECTLY PLACED OR ARE INSUFFICIENT IN QUANTITY TO PROTECT THE GENERAL PUBLIC, THE CONSTRUCTION INSPECTOR SHALL HAVE THE OPTION TO STOP OPERATIONS UNTIL SUCH TIME AS THE CONDITIONS ARE CORRECTED.
6. IF THE NEED ARISES, ADDITIONAL BARRICADES AND DIRECTIONAL DEVICES MAY BE ORDERED BY THE TRAFFIC ENGINEERING REPRESENTATIVE AT THE CONTRACTOR'S EXPENSE.
7. DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181 C.P.S. MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.
8. CONTRACTOR SHALL NOTIFY THE CITY INSPECTOR TWENTY FOUR (24) HOURS PRIOR TO BACKFILL OF ANY UTILITY TRENCHES TO SCHEDULE FOR DENSITY TEST AS REQUIRED.
9. CONTRACTOR SHALL PRESERVE ALL CONSTRUCTION STAKES, MARKS, ETC. IF ANY ARE DESTROYED OR REMOVED BY THE CONTRACTOR OR HIS EMPLOYEES, THEY SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
10. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF EXISTING UTILITIES. CONTRACTOR SHALL NOTIFY THE FOLLOWING AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO EXCAVATION OPERATION:

HOLLYWOOD PARK WATER SYSTEM (SAWS)	210-233-2009
WATER & SEWER EMERGENCIES	210-704-7297
STORM DRAINAGE (TOWN OF HOLLYWOOD PARK)	210-494-2023
SIGNAL OPERATIONS (TOWN OF HOLLYWOOD PARK)	210-494-2023
TEXAS STATE WIDE ONE CALL LOCATOR	811
CPS ENERGY (GAS & ELECTRIC)	210-353-2000
CPS ELECTRIC/GAS ISSUES OR EMERGENCIES	210-353-4357
TIME WARNER	210-244-0500
AT&T	972-742-5892

11. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES INDICATED ON THE PLANS ARE TAKEN FROM AVAILABLE RECORDS AND ARE NOT GUARANTEED, BUT SHALL BE INVESTIGATED AND VERIFIED BY THE CONTRACTOR BEFORE STARTING WORK. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY DAMAGE TO AND FOR THE MAINTENANCE AND PROTECTION OF THE EXISTING UTILITIES EVEN IF THEY ARE NOT SHOWN ON THE PLANS. LOCATION AND DEPTH OF EXISTING UTILITIES SHOWN HERE ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND HE SHALL BE RESPONSIBLE FOR PROTECTION OF SAME DURING CONSTRUCTION.
12. ALL WASTE MATERIAL SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE HIS SOLE RESPONSIBILITY TO DISPOSE OF THIS MATERIAL OFF THE LIMITS OF THE PROJECT. NO WASTE MATERIAL SHALL BE PLACED IN EXISTING LOWS THAT WILL BLOCK OR ALTER FLOW LIMITS OF EXISTING ARTIFICIAL OR NATURAL DRAINAGE.
13. THE CONTRACTOR SHALL NOT PLACE ANY WASTE MATERIAL IN THE 100-YEAR FLOOD PLAIN WITHOUT FIRST OBTAINING AN APPROVED FLOOD PLAIN DEVELOPMENT PERMIT.
14. THE CONTRACTOR SHALL MAINTAIN ALL ADJOINING STREETS AND TRAVELED ROUTES FREE FROM SPILLED AND / OR TRACKED CONSTRUCTION MATERIALS AND / OR DEBRIS.
15. IF THE CONTRACTOR ENCOUNTERS ANY ARCHAEOLOGICAL DEPOSITS DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR MUST STOP EXCAVATION IMMEDIATELY, CONTACT THE CITY INSPECTOR, AND CALL THE CITY HISTORIC PRESERVATION OFFICE AT 210-494-2023
    FOR AN ARCHAEOLOGICAL INVESTIGATION. THE CONTRACTOR CANNOT BEGIN EXCAVATION AGAIN WITHOUT WRITTEN PERMISSION FROM THE CITY.

    IF MORE THAN THREE (3) DAYS ARE REQUIRED FOR INVESTIGATION (NOT INCLUDING HOLIDAY AND WEEKENDS) AND IF THE CONTRACTOR IS UNABLE TO WORK IN OTHER AREAS, THEN THE CONTRACTOR WILL BE ALLOWED TO NEGOTIATE FOR ADDITIONAL CONSTRUCTION TIME UPON WRITTEN REQUEST WITHIN TEN (10) DAYS AFTER THE FIRST NOTICE TO THE CITY OF ARCHAEOLOGICAL INVESTIGATION FOR EACH EVENT.

    IF THE TIME REQUIRED FOR INVESTIGATION IS LESS THAN OR EQUAL TO THREE (3) DAYS FOR EACH EVENT, CONTRACT DURATION WILL NOT BE EXTENDED.
16. IF SUSPECTED CONTAMINATION IS ENCOUNTERED DURING CONSTRUCTION OPERATIONS, TOWN OF HOLLYWOOD PARK SHALL BE NOTIFIED IMMEDIATELY WHEN CONTAMINATED SOILS AND / OR GROUNDWATER ARE ENCOUNTERED AT LOCATIONS NOT IDENTIFIED IN THE PLANS. THE NOTIFICATION SHOULD INCLUDE THE STATION NUMBER, TYPE OF CONTAMINATED MEDIA, EVIDENCE OF CONTAMINATION AND MEASURES TAKEN TO CONTAIN THE CONTAMINATED MEDIA AND PREVENT PUBLIC ACCESS. THE CONTAMINATED SOIL AND / OR GROUNDWATER SHALL NOT BE REMOVED FROM THE LOCATION WITHOUT PRIOR TOWN OF HOLLYWOOD PARK APPROVAL. THE CONTRACTOR MUST STOP THE EXCAVATION IMMEDIATELY AND CONTACT THE TOWN OF HOLLYWOOD PARK INSPECTOR. THE CONTRACTOR CANNOT BEGIN EXCAVATION ACTIVITIES WITHOUT WRITTEN PERMISSION FROM THE CITY.

DEMOLITION NOTES

1. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THE TOWN OF HOLLYWOOD PARK STANDARDS AND SPECIFICATIONS.
2. ALL FILL SHALL BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR METHOD (ASTM D-698).
3. CURB RAMPS ARE TO BE CONSTRUCTED ON ALL PERMANENT CURB RETURNS AT THE INTERSECTION OF ALL STREETS OR AS DIRECTED BY THE TOWN OF HOLLYWOOD PARK INSPECTOR.
4. ALL CONSTRUCTION BARRICADING TO BE IN ACCORDANCE WITH CURRENT "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
5. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AND STRUCTURES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY, ANY GOVERNING PERMITTING AUTHORITY, AND "DIG TEST" AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST EXACT FIELD LOCATION OF UTILITIES INTERFERING WITH THE PROPOSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTION TAKEN BEFORE PROCEEDING WITH THE WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLAN PER THE APPROPRIATE REMEDIAL ACTION AGREED UPON BY THE ENGINEER.
6. DISPOSAL OF ALL DEMOLISHED MATERIAL IS THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE OFF-SITE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL MUNICIPAL REQUIREMENTS.
7. WHERE A STATE OR LOCAL MUNICIPAL STANDARD DETAIL DUPLICATES A DETAIL SHOWN IN THE PLANS, THE MORE STRINGENT DETAIL, AS DETERMINED BY THE REVIEWING AGENCY, SHALL APPLY.
8. ALL ITEMS NOT SPECIFICALLY CALLED OUT TO BE REMOVED SHALL REMAIN. ANY ITEM TO REMAIN WHICH IS REMOVED SHALL BE REPLACED AT THE CONTRACTORS EXPENSE. (NO SEPARATE PAY).
9. CONTRACTOR WILL BE RESPONSIBLE FOR ACQUIRING ALL NECESSARY DEMOLITION PERMITS FOR THE PROJECT AND COORDINATION WITH THE RESPECTIVE UTILITY COMPANIES FOR REMOVAL OF THEIR INDIVIDUAL SERVICES.
10. CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER REGARDING QUESTIONS ON THE DEMOLITION PLAN.
11. DEMOLITION CONTRACTOR SHALL CLEARLY MARK ALL EXISTING UTILITY SERVICES WHERE THEY CROSS PROPERTY LINES. THIS INFORMATION WILL BE USED BY UTILITY COMPANIES AND CONTRACTORS TO TIE INTO FOR THE PROPOSED UTILITY SERVICES.
12. CONTRACTOR SHALL VERIFY WHICH TREES ARE TO BE SAVED & PROTECTED PRIOR TO COMMENCING CONSTRUCTION, DURABLE FENCE PROTECTION BARRIERS SHALL BE INSTALLED AROUND ALL TREES TO BE SAVED WITH FENCE PLACEMENT A MINIMUM OF 10 FEET FROM TREES TRUNKS. (IF APPLICABLE)
13. CONTRACTOR SHALL NOT DISTURB AREAS AROUND EXISTING TREES TO BE SAVED. (IF APPLICABLE)
14. CONTRACTOR SHALL COMPENSATE OWNER FOR DAMAGE OF TREES THAT WERE TO REMAIN. (IF APPLICABLE)

UTILITY GENERAL NOTES

1. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIS CONTRACT SHALL COMPLY TO ALL APPLICABLE TOWN OF HOLLYWOOD PARK RULES AND REQUIREMENTS FOR STREETS, SIDEWALKS, ALLEYS AND ROADWAY DESIGN (LATEST EDITIONS), THE TEXAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (LATEST EDITIONS), THE HOLLYWOOD PARK WATER SYSTEM (SAWS) SPECIFICATIONS FOR WATER WORKS CONSTRUCTION (LATEST EDITION).
2. THE LOCATIONS AND DEPTHS OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS OF UTILITIES MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UTILITY SERVICE LINES AS REQUIRED FOR CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY CONFLICTS IMMEDIATELY. ANY DAMAGE BY THE CONTRACTOR TO EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OF NOT, SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR, AT HIS EXPENSE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS, TESTS, INSPECTIONS, APPROVALS AND ACCEPTANCES REQUIRED TO COMPLETE CONSTRUCTION OF THIS PROJECT.
4. CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE SYSTEMS WHETHER SHOWN ON PLANS OR NOT.
5. ALL UTILITIES SHALL BE INSTALLED PRIOR TO PAVEMENT CONSTRUCTION.
6. ALL UTILITY CONNECTIONS SHALL BE COORDINATED WITH THE MECHANICAL AND ELECTRICAL PLANS. NOTIFY ENGINEER OF ANY CONFLICTS PRIOR TO CONSTRUCTION.
7. THE CONTRACTOR SHALL INSTALL ANY BENDS, FITTINGS, ETC. IN THE WATER & SEWER MAIN AS REQUIRED (PER APPLICABLE CODE) TO AVOID CONFLICTS WITH OTHER UTILITIES. (NO SEPARATE PAY).
8. NO WATER JETTING TO BACKFILL TRENCHES WILL BE ALLOWED ON THIS PROJECT.
9. POLYVINYL CHLORIDE (PVC) SEWER PIPE SHALL BE SDR 26. FITTINGS AND JOINTS SHALL CONFORM TO COMPATIBLE SDR 26 PIPE. SOLVENT CEMENTS JOINTS SHALL NOT BE USED.
10. WHEN SEWER LINES ARE INSTALLED IN THE VICINITY OF WATER MAINS, SUCH INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ).
11. ALL SPOIL AND OTHER UNSUITABLE MATERIAL FROM THIS WORK SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR, AT HIS EXPENSE.
12. ALL SERVICES ARE BROUGHT TO WITHIN 5 FEET OF THE BUILDING UNLESS OTHERWISE NOTED. REFERENCE MEP PLANS FOR UTILITY CONNECTIONS AT THE BUILDING.
13. WHETHER SHOWN ON THE PLANS OR NOT ALL CLEANOUT TOPS AND MANHOLES SHALL BE INSTALLED AT LEAST 3" ABOVE FINISHED GRADE OUTSIDE PAVEMENT AND FLUSH WITH FINISHED GRADE WITHIN THE PAVEMENT AREAS. TOPS WITHIN PAVEMENT SHALL BE TRAFFIC RATED.
14. SANITARY SEWER SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE AND THE HOLLYWOOD PARK WATER SYSTEM PLUMBING SPECIFICATIONS, AND AS DIRECTED BY THE PLUMBING INSPECTOR.
15. THRUST BLOCKING SHALL BE INSTALLED IN ACCORDANCE WITH HOLLYWOOD PARK WATER SYSTEM SPECIFICATIONS.
16. UTILITY CONTRACTOR SHALL COORDINATE WITH CPS ENERGY FOR THE GAS AND ELECTRICAL SERVICE.
17. FIRE LINE SHALL BE INSTALLED BY A LICENSED FIRE SPRINKLER CONTRACTOR.
18. DOMESTIC WATER SHALL BE PVC C900 FOR PIPES < 12" OR C905 FOR PIPES ≥ 12" OR COPPER TUBING AS SPECIFIED IN THE SAWS STANDARD SPECIFICATIONS - ITEM #824.
19. CLEANOUTS SHALL BE TWO-WAYS AND INSTALLED IN ACCORDANCE WITH TOWN OF HOLLYWOOD PARK PLUMBING CODE (EVERY 100') & AS DIRECTED BY PLUMBING INSPECTOR.
20. FIRE LINE SHALL BE PVC C900, CLASS 200 AND SHALL COMPLY WITH AWWA STANDARDS AND SHALL WITHSTAND A WORKING PRESSURE OF NOT LESS THAN 200 P.S.I.
21. CONTRACTOR SHALL MAINTAIN "AS-BUILT" DRAWINGS THROUGHOUT THE COURSE OF CONSTRUCTION & SHALL SUBMIT SAME TO THE ENGINEER FOR APPROVAL PRIOR TO FINAL ACCEPTANCE BY OWNER.
22. ALL UTILITY TRENCH COMPACTION TESTS WITHIN THE STREET PAVEMENT SECTION SHALL BE THE RESPONSIBILITY OF THE DEVELOPER'S GEOTECHNICAL ENGINEER. FILL MATERIAL SHALL BE PLACED IN UNIFORM LAYERS NOT TO EXCEED TWELVE INCHES (12") LOOSE. DETERMINE THEMAXIMUM LIFT THICKNESS BASED ON THE ABILITY OF THE COMPACTING OPERATION AND EQUIPMENT USED TO MEET THE REQUIRED DENSITY. EACH LAYER OF MATERIAL SHALL BE COMPACTED TO A MINIMUM 95% DENSITY AND TESTED FOR DENSITY AND MOISTURE IN ACCORDANCE WITH TEST METHODS TEX-113-E, TEX114-E, TEX-115-E. THE NUMBER AND LOCATION OF REQUIRED TESTS SHALL BE DETERMINED BY THE GEOTECHNICAL ENGINEER AND APPROVED BY THE CITY OF NEW BRAUNFELS STREET INSPECTOR. AT A MINIMUM, TESTS SHALL BE TAKEN EVERY 200 LF FOR EACH LIFT AND EVERY OTHER SERVICE LINE. UPON COMPLETION OF TESTING THE GEOTECHNICAL ENGINEER SHALL PROVIDE THE UTILITY PURVEYOR AND/OR CITY INSPECTOR WITH ALL TESTING DOCUMENTATION AND A CERTIFICATION STATING THAT THE PLACEMENT OF FILL MATERIAL HAS BEEN COMPLETED IN ACCORDANCE WITH THE PLANS. ADDITIONAL DENSITY TESTS MAY BE REQUESTED BY THE CITY OF NEW BRAUNFELS INSPECTOR.
23. ALL PLUMBING MUST BE INSTALLED IN A MANNER CONFORMING TO THE 2021 INTERNATIONAL PLUMBING CODE, INTERNATIONAL FUEL GAS CODE, INTERNATIONAL ENERGY CONSERVATION CODE, AND LOCAL AMENDMENTS AS ADOPTED BY THE TOWN OF HOLLYWOOD PARK. ALL REQUIREMENTS OF THE AFOREMENTIONED CODES MUST BE ADHERED TO WHETHER SPECIFICALLY MENTIONED OR NOT AND FIELD VERIFIED BY INSPECTION.

FIRE PREVENTION NOTES

1. THE CONTRACTOR SHALL PROVIDE COMPACTED FLEXIBLE BASE PAVEMENT PRIOR TO CONSTRUCTION OF COMBUSTIBLE MATERIALS AS AN "ALL WEATHER DRIVING SURFACE".

TEXAS DEPARTMENT OF TRANSPORTATION (TXDOT) NOTES

1. LANE AND SHOULDER CLOSURES ARE ONLY ALLOWED FROM 9 AM TO 4 PM MONDAY THROUGH FRIDAY.
2. LANE CLOSURES WILL NOT BE ALLOWED IF PAVEMENT IS WET OR ICY.
3. ALL WORK IN THE STATE RIGHT OF WAY MUST BE PER STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS AND BRIDGES ADOPTED NOVEMBER 1, 2014.
4. THE PRIMARY CONTRACTOR IS RESPONSIBLE FOR KEEPING THE STATE ROADWAY FREE OF MUD, ROCKS AND OTHER DEBRIS. IF THE HIGHWAY BECOMES UNSAFE FOR TRAFFIC BECAUSE OF DEBRIS FROM THE CONSTRUCTION SITE THE CONTRACTOR MUST CLEAN THE ROADWAY IMMEDIATELY AND SUSPEND WORK IF NECESSARY.
5. THE GENERAL CONTRACTOR MUST PROVIDE ON SITE PARKING DURING ALL PHASES OF CONSTRUCTION. PARKING WILL NOT BE ALLOWED WITHIN THE RIGHT OF WAY OF STATE MAINTAINED ROADWAYS.
6. CONTRACTOR MUST PROVIDE A 3:1 SAFETY WEDGE FOR EDGE OF PAVEMENT DROP-OFFS OF 2 INCHES OR MORE LEFT OPEN OVERNIGHT.

GRADING AND DRAINAGE NOTES

1. CONTRACTOR TO VERIFY ELEVATIONS PRIOR TO CONSTRUCTION. EXISTING CONTOURS BASED ON SURVEY TOPOGRAPHIC DATA.
2. ALL GRADES AND CONTOURS SHOWN ARE FINAL, TOP OF FINISHED SURFACE ELEVATIONS, CONTRACTOR SHALL SUBTRACT PAVEMENT, BASE, TOPSOIL, MULCH, ...ETC. TO OBTAIN PROPER SUBGRADE ELEVATIONS.
3. POSITIVE DRAINAGE SHALL BE MAINTAINED ON ALL AREAS WITHIN THE SCOPE OF THIS PROJECT. DRAINAGE SHALL BE DIRECTED AWAY FROM ALL BUILDING FOUNDATIONS. CONTRACTOR SHOULD TAKE PRECAUTIONS NOT TO ALLOW ANY PONDING OF WATER. MINIMUM SLOPE 0.50%.
4. NO ABRUPT CHANGE OF GRADE SHALL OCCUR.
5. ALL DISTURBED AREAS SHALL BE REVEGETATED, BY THE CONTRACTOR, IN ACCORDANCE WITH PROJECT SPECIFICATIONS, AND ARCHITECTURAL LANDSCAPING PLANS.
6. THE CONTRACTOR WILL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL UTILITIES AND DRAINAGE STRUCTURES WHETHER SHOWN ON THE PLAN OR NOT. THE CONTRACTOR SHALL UNCOVER EXISTING UTILITIES PRIOR TO CONSTRUCTION TO VERIFY SIZE, GRADE, AND LOCATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DEVIATIONS FROM PLANS PRIOR TO BEGINNING CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR, AT HIS EXPENSE.
7. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIS CONTRACT WHERE NOT SPECIFICALLY COVERED IN THE PROJECT SPECIFICATIONS SHALL CONFORM TO ALL APPLICABLE TOWN OF HOLLYWOOD PARK SPECIFICATIONS FOR CONSTRUCTION, TXDOT STANDARD SPECIFICATIONS, AND BEXAR COUNTY PUBLIC WORKS STANDARD SPECIFICATIONS.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ORIGINAL, OR BETTER CONDITION ANY DAMAGES DONE TO EXISTING SIGNS, UTILITIES, PAVEMENT, CURBS, SIDEWALKS OR DRIVEWAYS (NO SEPARATE ITEM).
9. DUE TO FEDERAL REGULATION TITLE 49, PART 192.181, CPS ENERGY MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVE THAT ARE IN THE PROJECT AREA.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH NECESSARY UTILITY COMPANIES FOR PROVIDING TEMPORARY UTILITY SERVICES DURING CONSTRUCTION.
11. CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS FOR UNDERGROUND UTILITIES AND DRAINAGE SYSTEMS WHETHER SHOWN ON PLANS OR NOT.
12. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY QUESTIONS THAT MAY ARISE CONCERNING THE INTENT, PLACEMENT, OR LIMITS, OF DIMENSIONS OR GRADES NECESSARY FOR CONSTRUCTION OF THIS PROJECT.
13. THE CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT AT NEW PAVEMENT AND CURB JUNCTURES. NO JAGGED OR IRREGULAR CUTS IN PAVEMENT WILL BE ACCEPTED.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS, TESTS, APPROVALS AND ACCEPTANCES REQUIRED TO COMPLETE CONSTRUCTION OF THIS PROJECT.
15. ALL EXCAVATION IN UNCLASSIFIED.
16. ALL ON-SITE CURBS ARE 6" HIGH UNLESS OTHERWISE SPECIFIED.
17. SEE CIVIL COVER SHEET FOR PROJECT BENCHMARK.
18. CONTRACTOR TO RAISE/LOWER ALL UTILITY BOXES, COVERS, GRATES, VALVES BOXES, MANHOLES, CLEANOUTS, ETC., TO MATCH PROPOSED FINISHED GRADE ELEVATIONS.
19. ALL DISTURBED AREAS WHICH ARE NOT TO BE PAVED SHALL BE COVERED WITH 6" MIN. CLEAN TOPSOIL UNLESS OTHERWISE NOTED. CUT OR FILL SHALL BE ADJUSTED TO ALLOW FOR TOPSOIL IN ORDER TO MAINTAIN PROPOSED ELEVATIONS. AREAS FOR LANDSCAPING SHOULD BE IN ACCORDANCE WITH THE LANDSCAPE ARCHITECTS PLANS.
20. PROVIDE THE REQUIRED MINIMUM DENSITY AND MOISTURE CONTENT OF COMPACTED FILL IN ACCORDANCE WITH THE SOILS REPORT AND THE REQUIREMENTS OF THE PROFESSIONAL ENGINEER (GEOTECH AND CIVIL).
21. A TESTING LABORATORY SHALL BE EMPLOYED BY THE OWNER TO CHECK THE SUITABILITY OF MATERIAL SELECTED FOR CONTROLLED FILLS, TO TEST AND DETERMINE IF THE REQUIRED IS BEING OBTAINED, AND TO TEST COMPACTION OF EXPOSED SUBGRADES, WHEN COMPACTION TESTS DOES NOT MEET GEOTECH REQUIREMENTS, FILL AND BACKFILL SHALL BE DRIED OUT OR MOISTENED AS NECESSARY, SCARIFIED, AND RECOMPACTED AT NO ADDITIONAL COSTS TO OWNER

CITY PUBLIC SERVICE (CPS) NOTES

1. CONTRACTOR SHALL REFERENCE FINAL CPS DESIGN AND RECORDED PLAT FOR LOCATION OF CPS INFRASTRUCTURE AND APPURTENANCES, EASEMENTS AND UTILITY CROSSINGS.
2. CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ANY REQUIRED CPS UTILITY CROSSINGS BASED ON THE FINAL CPS DESIGN.
3. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL REQUIRED CPS PRE-CONSTRUCTION MEETINGS AND ALL INSPECTIONS FOR UTILITY CROSSINGS.
4. PROPOSED STREET LIGHTS SHALL BE LOCATED BETWEEN THE BACK OF CURB AND STREET R.O.W. AND INSTALLED PER THE CPS DESIGN.

TRENCH EXCAVATION SAFETY PROTECTION

CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATIONS SITE(S) WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES FOR THE PROJECT DESCIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATIONS SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

Revisions: Date:

Project Name:

ALAMO FELINE HEALTH CENTER ADDITION

16201 SAN PEDRO AVE.
HOLLYWOOD PARK, TEXAS 78232

Consultants:

UP ENGINEERING + SURVEYING

STATE OF TEXAS
RYAN R. PLAGENS
111640
LICENSED PROFESSIONAL ENGINEER
7/2/24

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Drawing Description:
GENERAL NOTES

Drawing No:
C001

Date: JUNE 28, 2024

PLOT STYLE: v1.0 UP Production Standard.ctb PLOT DATE: July 2, 2024
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Revisions: Date:

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Drawing Description:
LEGEND & ABBREVIATIONS

Drawing No:
C002

Date: JUNE 28, 2024

EXISTING CONDITIONS

- BOUNDARY / RIGHT OF WAY
- EASEMENT / SETBACK
- CURB / EDGE OF PAVEMENT
- BUILDING FACE
- XXXX — EXISTING CONTOUR (GRADE) ELEV.
- STORM DRAIN LINE
- WL — WATER LINE
- 6WL — 6" WATER LINE
- 8WL — 8" WATER LINE
- 12WL — 12" WATER LINE
- 24WL — 24" WATER LINE
- WW — WASTEWATER LINE
- 6WW — 6" WASTEWATER LINE
- 8WW — 8" WASTEWATER LINE
- 12WW — 12" WASTEWATER LINE
- FM — WW FORCE MAIN
- OU — OVERHEAD UTILITY LINE
- UE — UNDERGROUND ELECTRIC
- x — x — x — WIRE FENCE
- \\ — \\ — WOOD FENCE
- WROUGHT IRON FENCE
- o — o — o — CHAIN LINK FENCE
- SCREENING FENCE
- CWQZ — CRITICAL WATER QUALITY ZONE
- WQTZ — WATER QUALITY TRANSITION ZONE
- 100YR FP — LIMITS OF 100 YEAR FLOOD PLAIN
- RETAINING / SCREEN WALL
- G — G — GAS LINE
- ACCESSIBLE PARKING
- ROD/NAIL FOUND OR SET
- BENCHMARK
- TREE W/ TAG NUMBER
- PROTECTED TREE W/ TAG NUMBER (AS REQ'D)
- HERITAGE TREE W/ TAG NUMBER (AS REQ'D)

EXISTING CONDITIONS

- TRASH COMPACTOR / DUMPSTER PAD
- MAIL BOX
- SIGN
- UTILITY POLE
- UTILITY / LIGHT POLE
- GUY WIRE
- TRAFFIC SIGNAL
- ELECTRIC PULL BOX
- ELECTRIC MANHOLE
- ELEC. / TELE. RISER
- ELECTRIC TRANSFORMER PAD
- AIR CONDITIONER UNIT
- CABLE RISER
- GAS METER
- WASTEWATER MANHOLE
- CLEAN-OUT
- OIL INTERCEPTOR
- GREASE TRAP
- WATER METER VAULT
- WATER VALVE
- FIRE HYDRANT
- WATER MANHOLE
- STORM DRAINAGE INLET
- STORM DRAIN MANHOLE
- TREE W/ TAG (TO REMAIN)
- SHADING INDICATES HERITAGE TREE
- TREE W/ TAG NUMBER
- APPROXIMATE LIMITS OF TREE CANOPY
- SHADING INDICATES HERITAGE TREE

EROSION CONTROL

- BOUNDARY / RIGHT OF WAY
- EXIST. GRADE ELEVATIONS
- XXXX — PROP. GRADE ELEVATIONS
- STORM DRAIN LINE
- PRESERVED / NATURAL AREA
- PF — TEMP. PRESERVE FENCE PER DETAIL ON SHEET ____
- TP — TREE PROTECTION FENCE PER COA DETAILS 610S-1 & 610S-2
- MS — TEMPORARY MULCH SOCK PER COA DETAIL 648S-1
- SF — TEMPORARY SILT FENCE PER COA DETAIL 642S-1
- LOC — LIMITS OF CONSTRUCTION / DISTURBANCE
- LIMITS OF TEMPORARY PARKING, STORAGE, SPOILS, AND STAGING AREA
- STABILIZED CONSTRUCTION ENTRANCE
- CW — CONCRETE WASHOUT
- RB — TEMPORARY ROCK BERM PER COA DETAIL 630S-1
- IF — INLET FILTER PER GEOCURVE DETAIL
- TREE (TO REMAIN)
- TREE (TO BE REMOVED)
- TREE TO REMAIN
- APPROXIMATE LIMITS OF TREE CANOPY
- TREE TO BE REMOVED
- 5021 38" ELM — TREE TO REMAIN (IN LIST)
- ~~5021 38" ELM~~ — TREE TO BE REMOVED (IN LIST)
- ~~5021 38" ELM~~ ** — TREE TO BE REMOVED BY OTHERS (IN LIST)

DEMOLITION

- BOUNDARY / RIGHT OF WAY
- XXXX — EXISTING GRADE ELEVATIONS
- STORM DRAIN LINE
- WL — WATER LINE
- WW — WASTEWATER LINE
- OU — OVERHEAD UTILITY LINE
- DEMOLITION AREA: ALL ITEMS WITHIN THIS AREA TO BE REMOVED OR RELOCATED AS NOTED
- TP — TP — TREE PROTECTION FENCE: REFERENCE EROSION & SEDIMENTATION CONTROL PLAN(S)
- TREE TO REMAIN
- TREE TO BE REMOVED
- DEMOLITION AREA: ALL ITEMS WITHIN THIS AREA TO BE REMOVED OR RELOCATED AS NOTED
- TREE TO REMAIN
- TREE TO BE REMOVED

LEGEND

- BOUNDARY / RIGHT OF WAY
- LIMITS OF PHASE __
- LIMITS OF PHASES __ - __ (REF. PLAN FOR PHASE #)
- BUILDING PAD AREA
- # — BUILDING / PHASE NUMBER

SITE

- BOUNDARY / RIGHT OF WAY
- EASEMENT / SETBACK
- CURB / EDGE OF PAVEMENT
- EXISTING BUILDING FACE
- INTERNAL CIRCULATION ROUTE (ICR)
- ACCESSIBLE ROUTE (ADA)
- LIMITS OF FINISHED FLOOR ELEVATION
- FIRE — FIRE LANE STRIPING
- TOP / BOTTOM OF SLOPE
- OU — OVERHEAD UTILITY LINE
- 100YR FP — LIMITS OF 100 YEAR FLOOD PLAIN
- RETAINING / SCREEN WALL
- x — x — x — WIRE FENCE
- \\ — \\ — WOOD FENCE
- WROUGHT IRON FENCE
- o — o — o — CHAIN LINK FENCE
- SCREENING FENCE
- BUILDING PAD AREA
- ASPHALT PAVEMENT
- CONCRETE SWLK. / PVMT.
- AREA WHERE BUILDING HEIGHT IS LIMITED TO 20'
- ROD/NAIL FOUND OR SET
- BENCHMARK
- TREE W/ TAG (TO REMAIN)
- # — BUILDING / PHASE NUMBER
- BUILDING / PHASE NUMBER
- LETTER = PAD TYPE: A / NO LETTER = TYPE A, B = TYPE B, C = TYPE C
- #A1
- NUMBER = BUILDING TYPE: NO NUMBER = TYPE 2, 1 = TYPE 1, 3 = TYPE 3

SITE

- PARKING LOT BUMPER CURB
- TREE WELL
- BICYCLE PARKING RACK
- "SHARROW" BICYCLE LANE MARKING
- BICYCLE LANE MARKING
- ACCESSIBLE PARKING
- TRASH COMPACTOR / DUMPSTER PAD
- MAIL BOX
- SIGN
- UTILITY POLE
- UTILITY / LIGHT POLE
- GUY WIRE
- LIGHT POLE
- TRAFFIC SIGNAL
- ELECTRIC PULL BOX
- ELECTRIC MANHOLE
- ELEC. / TELE. RISER
- ELECTRIC TRANSFORMER PAD
- AIR CONDITIONER UNIT
- CABLE RISER
- TELEPHONE LINE MARKER
- FIBER OPTIC LINE MARKER
- GAS LINE MARKER
- GAS METER
- WASTEWATER MANHOLE
- CLEAN-OUT
- OIL INTERCEPTOR
- GREASE TRAP
- WATER METER VAULT
- WATER VALVE
- FIRE HYDRANT
- WATER MANHOLE
- BFP — BACKFLOW PREVENTER
- STORM DRAINAGE INLET
- STORM DRAIN MANHOLE

OVERALL SITE PLAN

- BUILDING PAD AREA REF. "PAD NOTES" ON THIS SHEET
- ASPHALT PAVEMENT
- CONCRETE SWLK. / PVMT.
- AREA WHERE BUILDING HEIGHT IS LIMITED TO 20' PER ZONING ORDINANCE 20130228-056
- X — OPEN SPACE AREAS A-C
- TREE (TO REMAIN)
- # — BUILDING / PHASE NUMBER
- FH — EXISTING / PROPOSED FIRE HYDRANT
- ADA — ACCESSIBLE ROUTE / BUILDING ENTRANCE
- LIMITS OF FINISHED FLOOR ELEVATION
- FIRE LANE — FIRE LANE STRIPING
- BUILDING AREA

DRAINAGE AREA LEGEND

- DRAINAGE AREA BOUNDARY
- XXXX — EXIST. GRADE ELEVATIONS
- XXXX — PROP. GRADE ELEVATIONS
- STORM DRAIN LINE
- DIRECTION OF FLOW
- X — ANALYSIS POINT
- P27 — DRAINAGE AREA #
- 0.65 Ac. — DRAINAGE AREA
- 100% — IMPERVIOUS COVER

GRADING LEGEND

- BOUNDARY / RIGHT OF WAY
- EASEMENT / SETBACK
- CURB / EDGE OF PAVEMENT
- OU — OVERHEAD UTILITY LINE
- ACCESSIBLE ROUTE (ADA)
- LIMITS OF FINISHED FLOOR ELEVATION
- RETAINING / SCREEN WALL
- CWQZ — CRITICAL WATER QUALITY ZONE
- WQTZ — WATER QUALITY TRANSITION ZONE
- 100YR FP — LIMITS OF 100 YEAR FLOOD PLAIN
- XXXX — EXIST. GRADE ELEVATIONS
- XXXX — PROP. GRADE ELEVATIONS
- EXIST. STORM DRAIN LINE
- PROP. STORM DRAIN LINE
- WL — WATER LINE
- WW — WASTEWATER LINE
- DRAINAGE SWALE FLOW LINE
- DIRECTION OF FLOW
- TREE W/ TAG (TO REMAIN)
- XXX.00 — EXISTING ELEVATION
- XXX.00 — PROPOSED FINISHED GRADE
- TC — TOP OF CURB ELEVATION
- G — GUTTER ELEVATION
- FL — FLOW LINE ELEVATION
- HP — HIGH POINT ELEVATION
- LP — LOW POINT ELEVATION
- ME — MATCH EXISTING ELEVATION
- PE — PAD ELEVATION
- FF — FINISHED FLOOR ELEVATION
- TW — TOP OF WALL ELEVATION
- GW — FINISHED GRADE AT WALL
- 2% — 2% MAXIMUM CROSS SLOPE FOR ACCESSIBLE ROUTE IN THIS AREA

GRADING LEGEND

- ACCESSIBLE PARKING
- TRASH COMPACTOR / DUMPSTER PAD
- SIGN
- UTILITY POLE
- UTILITY / LIGHT POLE
- GUY WIRE
- ELECTRIC PULL BOX
- ELECTRIC MANHOLE
- ELEC. / TELE. RISER
- ELECTRIC TRANSFORMER PAD
- AIR CONDITIONER UNIT
- CABLE RISER
- GAS METER
- WASTEWATER MANHOLE
- CLEAN-OUT
- OIL INTERCEPTOR
- GREASE TRAP
- WATER METER VAULT
- WATER VALVE
- FIRE HYDRANT
- WATER MANHOLE
- BFP — BACKFLOW PREVENTER
- STORM DRAINAGE INLET
- STORM DRAIN MANHOLE
- STEM WALL FOOTING
- EXTENDED DEPTH FOOTING (BY OTHERS)
- BUILDING PAD AREA (LIMITS OF PAD ELEVATION)
- 100YR FP — 100 YEAR FLOOD PLAIN

UTILITY LEGEND

- BOUNDARY / RIGHT OF WAY
- EASEMENT / SETBACK
- CURB / EDGE OF PAVEMENT
- XXXX — EXIST. GRADE ELEVATIONS
- XXXX — PROP. GRADE ELEVATIONS
- STORM DRAIN LINE
- RETAINING / SCREEN WALL
- WL — WATER LINE
- 6WL — 6" WATER LINE
- 8WL — 8" WATER LINE
- 12WL — 12" WATER LINE
- 24WL — 24" WATER LINE
- WW — WASTEWATER LINE w/ FLOW
- 10"WW — 6" WASTEWATER LINE w/ FLOW
- 8WW — 8" WASTEWATER LINE w/ FLOW
- 12WW — 12" WASTEWATER LINE w/ FLOW
- FM — WW FORCE MAIN w/ FLOW
- WW — WASTEWATER LINE
- 6WW — 6" WASTEWATER LINE
- 8WW — 8" WASTEWATER LINE
- 12WW — 12" WASTEWATER LINE
- FM — WW FORCE MAIN
- OU — OVERHEAD UTILITY LINE
- UE — UNDERGROUND ELECTRIC
- G — G — GAS LINE
- DIRECTION OF FLOW
- TREE W/ TAG (TO REMAIN)

UTILITY LEGEND

- TRASH COMPACTOR / DUMPSTER PAD
- MAIL BOX
- SIGN
- UTILITY POLE
- UTILITY / LIGHT POLE
- GUY WIRE
- TRAFFIC SIGNAL
- ELECTRIC PULL BOX
- ELECTRIC MANHOLE
- ELEC. / TELE. RISER
- ELECTRIC TRANSFORMER PAD
- AIR CONDITIONER UNIT
- CABLE RISER
- TELEPHONE LINE MARKER
- FIBER OPTIC LINE MARKER
- GAS LINE MARKER
- GAS METER
- WASTEWATER MANHOLE
- CLEAN-OUT
- OIL INTERCEPTOR
- GREASE TRAP
- WATER METER VAULT
- WATER VALVE
- FIRE HYDRANT
- WATER MANHOLE
- BFP — BACKFLOW PREVENTER
- STORM DRAINAGE INLET
- STORM DRAIN MANHOLE

TRAFFIC CONTROL

- BOUNDARY / RIGHT OF WAY
- COVERED PEDESTRIAN WALK
- CHANNELIZING DEVICES
- WORK ZONE
- WARNING SIGN
- TRAFFIC FLOW
- FLAGGER
- TYPE III BARRICADE
- FLASHING ARROW BOARD

ROADWAY PLAN & PROFILE LEGEND

- BOUNDARY / RIGHT OF WAY
- EASEMENT / SETBACK
- CURB / EDGE OF PAVEMENT
- XXXX — EXIST. GRADE ELEVATIONS
- XXXX — PROP. GRADE ELEVATIONS
- OU — OVERHEAD UTILITY LINE
- PROP. ASPHALT PAVEMENT
- CONCRETE SWLK. / PVMT.
- MAIL BOX
- SIGN
- UTILITY / LIGHT POLE
- GUY WIRE
- TRAFFIC SIGNAL
- ELECTRIC MANHOLE
- ELEC. / TELE. RISER
- WASTEWATER MANHOLE
- WATER METER VAULT
- WATER VALVE
- FIRE HYDRANT
- WATER MANHOLE
- STORM DRAINAGE INLET
- STORM DRAIN MANHOLE
- TREE TO REMAIN
- TREE TO BE REMOVED

PROFILE LEGEND

- PROPOSED GRADE
- PROP. GRADE @ TC L & R
- PROP. GRADE @ LEFT TC
- PROP. GRADE @ RIGHT TC
- EXISTING GRADE @ ℄
- EXIST. GRADE @ LEFT ROW
- EXIST. GRADE @ RIGHT ROW

CHANNEL PLAN & PROFILE

- BOUNDARY / RIGHT OF WAY
- EASEMENT / SETBACK
- CURB / EDGE OF PAVEMENT
- XXXX — EXIST. GRADE ELEVATIONS
- XXXX — PROP. GRADE ELEVATIONS
- OU — OVERHEAD UTILITY LINE
- RETAINING / SCREEN WALL
- CWQZ — CRITICAL WATER QUALITY ZONE
- WQTZ — WATER QUALITY TRANSITION ZONE
- 100YR FP — LIMITS OF 100 YEAR FLOOD PLAIN
- EXIST. STORM DRAIN LINE
- PROP. STORM DRAIN LINE
- WL — WATER LINE
- WW — WASTEWATER LINE
- DRAINAGE SWALE FLOW LINE
- DIRECTION OF FLOW
- TREE W/ TAG (TO REMAIN)

PROFILE LEGEND

- PROPOSED GRADE @ ℄
- EXISTING GRADE @ ℄
- FINISHED GRADE @ WEST BANK
- FINISHED GRADE @ EAST BANK
- 100 YEAR HGL
- 25 YEAR HGL
- 2 YEAR HGL

UTILITY PLAN & PROFILE

- BOUNDARY / RIGHT OF WAY
- EASEMENT / SETBACK
- CURB / EDGE OF PAVEMENT
- XXXX — EXIST. GRADE ELEVATIONS
- XXXX — PROP. GRADE ELEVATIONS
- STORM DRAIN LINE
- WL — WATER LINE
- 6WL — 6" WATER LINE
- 8WL — 8" WATER LINE
- 12WL — 12" WATER LINE
- 24WL — 24" WATER LINE
- WW — WASTEWATER LINE
- 6WW — 6" WASTEWATER LINE
- 8WW — 8" WASTEWATER LINE
- 12WW — 12" WASTEWATER LINE
- FM — WW FORCE MAIN
- OU — OVERHEAD UTILITY LINE
- UE — UNDERGROUND ELECTRIC
- G — G — GAS LINE
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- ELECTRIC MANHOLE
- WASTEWATER MANHOLE
- CLEAN-OUT
- WATER METER VAULT
- WATER VALVE
- FIRE HYDRANT
- BFP — BACKFLOW PREVENTER
- STORM DRAINAGE INLET
- STORM DRAIN MANHOLE
- TREE W/ TAG (TO REMAIN)

PROFILE LEGEND

- PROPOSED GRADE @ ℄
- EXISTING GRADE @ ℄

PLOT STYLE: V1.0_UP Production Standards.ctb DATE: July 2, 2024
USER: Billy
SAVE DATE: 5/30/2024 3:23 PM
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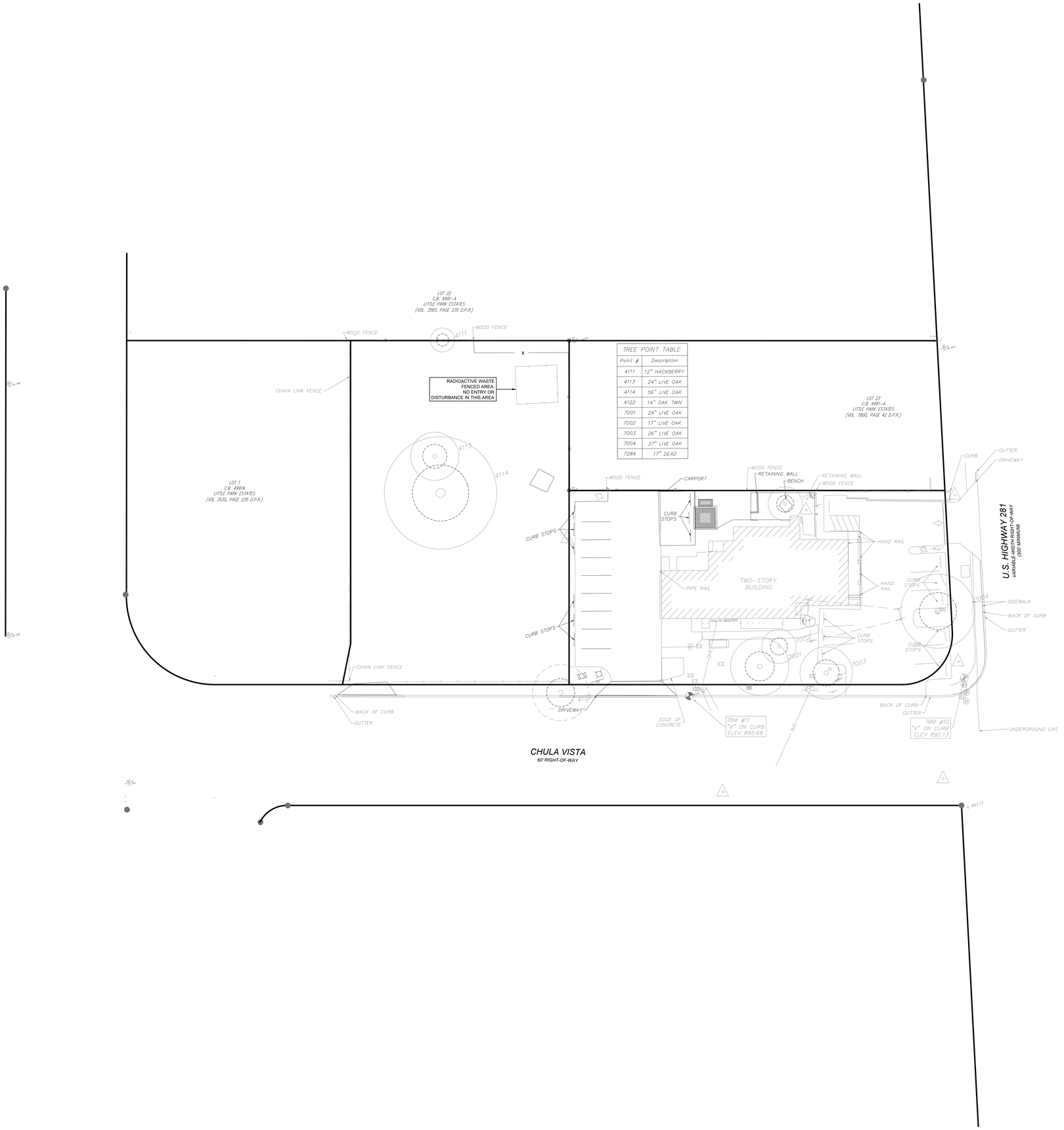
0 10' 20' 40'
SCALE 1" = 20'



TREE POINT TABLE	
Point #	Description
4111	12" HACKBERRY
4113	24" LIVE OAK
4114	56" LIVE OAK
4122	14" OAK TWIN
7001	29" LIVE OAK
7002	17" LIVE OAK
7003	26" LIVE OAK
7004	37" LIVE OAK
7284	17" DEAD

NOTES:

1. EXISTING CONDITIONS SURVEY PREPARED BY UP ENGINEERING & SURVEYING AND SURVEYED ON THE GROUND, APRIL 2024
2. ONLY VISIBLE IMPROVEMENTS & UTILITIES WERE PROVIDED FROM SURVEY (THE SURVEYOR/ENGINEER HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES). LOCATIONS OF EXISTING UTILITIES, SOME OF WHICH MAY NOT BE SHOWN, COULD IMPACT CONSTRUCTION MEANS AND METHODS. CONTRACTOR TO VERIFY ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO BID & CONSTRUCTION, AND SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES. THE CONTRACTOR TO CONTACT THE CITY OF HOLLYWOOD PARK AREA "ONE CALL" SYSTEM @ 811, OR THE OWNER OF EACH INDIVIDUAL UTILITY FOR ASSISTANCE IN DETERMINING EXISTING UTILITY LOCATIONS.
3. THE SIZE AND LOCATION OF UTILITY STRUCTURES, (IF SHOWN), MAY BE EXAGGERATED FOR GRAPHICAL CLARITY. THE SURVEY SHOWS FIELD MEASURED SIZES AND DEPTHS AS OBSERVED FROM GROUND LEVEL OPENINGS.
4. REFERENCE COVER SHEET AND/OR TREE LIST FOR ADDITIONAL INFORMATION.
5. LIMITS OF CONSTRUCTION ARE SHOWN ON THE "EROSION & SEDIMENTATION CONTROL PLAN" SHEET C200.

!!! CAUTION !!!

CONTRACTOR TO VERIFY ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING ALL EXISTING UTILITIES BY CALLING DIGTESS @ 1-800-DIG-TESS FOR LOCATION OF ALL UTILITIES, AT LEAST 2 WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION.

Revisions: Date:

Project Name:

Alamo Feline Health Center Addition

16201 SAN PEDRO AVE.
HOLLYWOOD PARK, TEXAS 78232

Consultants:

UP ENGINEERING + SURVEYING

STATE OF TEXAS
RYAN R. PLAGENS
111640
LICENSED
PROFESSIONAL ENGINEER
7/2/24

Architect:

DERRICK ARCHITECTS

6102 BROADWAY SUITE B-1
SAN ANTONIO, TEXAS 78209
PH: 210.822.2400
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Drawing Description:
EXISTING CONDITIONS

Drawing No:
C100

Date: JUNE 28, 2024

PLOT STYLE: V1.0_UP_Production_Standard.ctb PLOT DATE: July 2, 2024
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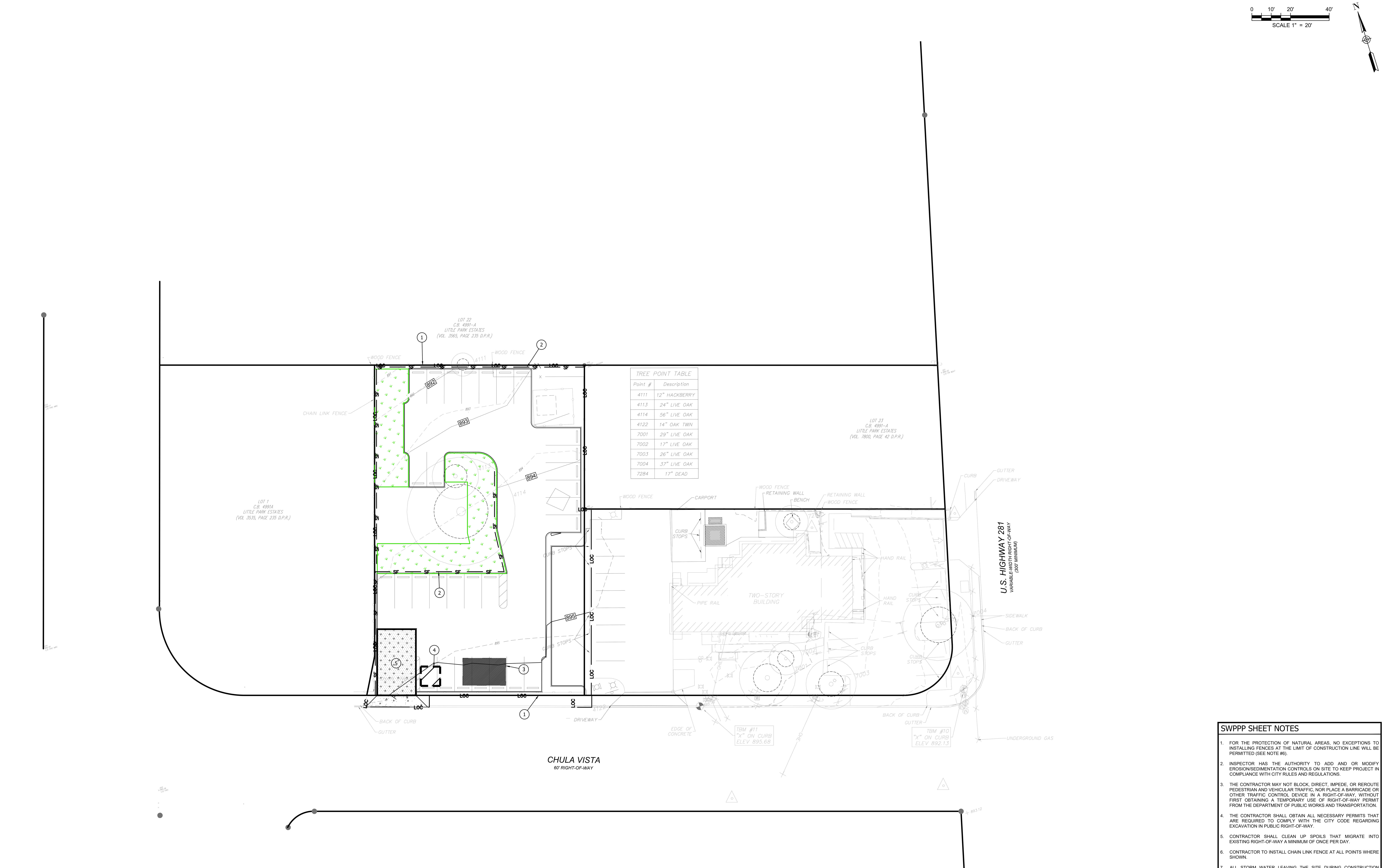

PRE-CONSTRUCTION RUNOFF COEF "C"	POST-CONSTRUCTION RUNOFF COEF "C"
0.5500	0.8200

AREA DISTURBED (ACRES)	AREA UNDISTURBED (ACRES)	TOTAL AREA (ACRES)
0.2830	0.1440	0.4270

SEQUENCE OF CONSTRUCTION ACTIVITIES

* INSTALLATION OF TEMPORARY BEST MANAGEMENT PRACTICES (0.841 ACRES)
* SITE CLEARING (0.841 ACRES)
* MASS GRADING (0.841 ACRES)
* FINAL SITE GRADING (0.841 ACRES)
* FINAL PAVING OF DRIVE LANES (0.283 ACRES)

EROSION CONTROL MEASURES	
1	LIMITS OF CONSTRUCTION
2	INSTALL SILT FENCE (2' FROM PROPERTY LINE, REFERENCE SHEET C201)
3	STAGING AREA
4	CONCRETE WASHOUT PIT (REFERENCE SHEET C201)
5	STABILIZED CONSTRUCTION ENTRANCE (REFERENCE SHEET C201)

SWPPP SHEET NOTES

1. FOR THE PROTECTION OF NATURAL AREAS, NO EXCEPTIONS TO INSTALLING FENCES AT THE LIMIT OF CONSTRUCTION LINE WILL BE PERMITTED (SEE NOTE #6).
2. INSPECTOR HAS THE AUTHORITY TO ADD AND OR MODIFY EROSION/SEDIMENTATION CONTROLS ON SITE TO KEEP PROJECT IN COMPLIANCE WITH CITY RULES AND REGULATIONS.
3. THE CONTRACTOR MAY NOT BLOCK, DIRECT, IMPEDE, OR REROUTE PEDESTRIAN AND VEHICULAR TRAFFIC, NOR PLACE A BARRICADE OR OTHER TRAFFIC CONTROL DEVICE IN A RIGHT-OF-WAY, WITHOUT FIRST OBTAINING A TEMPORARY USE OF RIGHT-OF-WAY PERMIT FROM THE DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION.
4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS THAT ARE REQUIRED TO COMPLY WITH THE CITY CODE REGARDING EXCAVATION IN PUBLIC RIGHT-OF-WAY.
5. CONTRACTOR SHALL CLEAN UP SPOILS THAT MIGRATE INTO EXISTING RIGHT-OF-WAY A MINIMUM OF ONCE PER DAY.
6. CONTRACTOR TO INSTALL CHAIN LINK FENCE AT ALL POINTS WHERE SHOWN.
7. ALL STORM WATER LEAVING THE SITE DURING CONSTRUCTION ACTIVITIES MUST PASS THROUGH THE SILT FENCE OR ROCK BERMS.
8. IF DISTURBED AREA IS NOT TO BE WORKED ON FOR MORE THAN 14 DAYS, DISTURBED AREA NEEDS TO BE STABILIZED BY REVEGETATION, MULCH, TARP OR REVEGETATION MATTING.
9. CONTRACTOR RESPONSIBLE FOR REMOVING TEMPORARY SEDIMENT CONTROLS ONCE CERTIFICATE OF OCCUPANCY OR COMPLETION HAS BEEN ISSUED.
10. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL PROTECT AND MAINTAIN JURISDICTIONAL WATERS. ANY DEVELOPMENT, EXCAVATION, CONSTRUCTION OR FILLING IN A US CORPS OF ENGINEER DESIGNATED WETLAND IS SUBJECT TO LOCAL, STATE AND FEDERAL APPROVALS. THE CONTRACTOR SHALL COMPLY WITH ALL PERMIT REQUIREMENTS AND/OR RESTRICTIONS AND ANY VIOLATION WILL BE SUBJECT TO FEDERAL PENALTY. THE CONTRACTOR SHALL HOLD THE OWNER/DEVELOPER, THE ENGINEER, AND THE LOCAL GOVERNING AGENCIES HARMLESS AGAINST SUCH VIOLATION.
11. IF WATER IS ENCOUNTERED DURING CONSTRUCTION CONTRACTOR SHALL NOTIFY OWNER AND ENGINEER. DEWATERING OPERATIONS SHALL CONFORM WITH SAWS ITEM NO. 804.
12. SILT FENCE PHASE 1 INDICATES THE LOCATION OF SILT FENCE DURING THE CONSTRUCTION OF STREETS AND UTILITIES. SILT FENCE PHASE 2 INDICATES THE LOCATION OF SILT FENCE DURING THE CONSTRUCTION OF HOMES.
13. MORE THAN 10 ACRES ARE TO BE DISTURBED, THEREFORE THE 2-YR 24-HR STORM EVENT SHALL BE TREATED/CAPTURED BY THE RESPECTIVE SEDIMENTATION POND AND ROCK FILTER DAMS.

!!! CAUTION !!!

CONTRACTOR TO VERIFY ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING ALL EXISTING UTILITIES BY CALLING DIGTESS @ 1-800-DIG-TESS FOR LOCATION OF ALL UTILITIES, AT LEAST 2 WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION.

Revisions: Date:

Project Name:

ALAMO FELINE HEALTH CENTER ADDITION

16201 SAN PEDRO AVE.
HOLLYWOOD PARK, TEXAS 78232

Consultants:

UP
ENGINEERING + SURVEYING

STATE OF TEXAS
RYAN R. PLAGENS
111640
LICENSED
PROFESSIONAL ENGINEER
7/2/24

Architect:

DERRICK
ARCHITECTS
6102 BROADWAY SUITE B-1
SAN ANTONIO, TEXAS 78209
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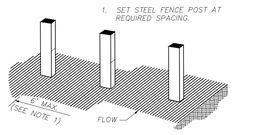
Drawing Description:

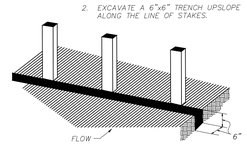
EROSION & SEDIMENTATION CONTROL PLAN

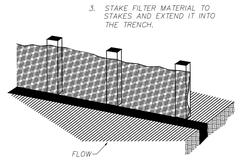
Drawing No:

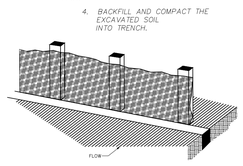
C200

Date: JUNE 28, 2024



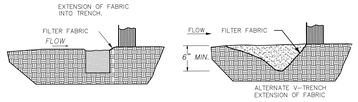






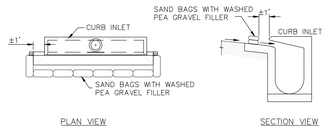
GENERAL NOTES:

1. STEEL POSTS TO BE SET AT 3-FOOT MAXIMUM SPACING WITH MINIMUM EMBEDMENT OF 1-FOOT. IF FACTORY PREASSEMBLE FENCE WITH SUPPORT NETTING IS USED, SPACING OF POST MAY BE INCREASED TO 8 FEET MAXIMUM.
2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHOULD BE OVERLAPPED 3 FEET AND SECURELY FASTENED WHEN ENDS OF FABRIC MEET.



100 SILT FENCE DETAILS

SCALE: N.T.S.

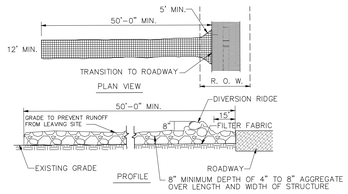


NOTES:

1. SAND BAGS SHOULD BE PLACED TIGHTLY AGAINST EACH OTHER TO PREVENT RUNOFF FROM FLOWING BETWEEN BAGS.
2. SAND BAGS SHOULD BE FILLED WITH WASHED PEA GRAVEL AND STACKED TO FORM A CONTINUOUS BARRIER APPROXIMATELY 1 FOOT IN HEIGHT, APPROXIMATELY 1 FOOT FROM THE INLET OPENING.
3. INSPECTION SHOULD BE MADE WEEKLY AND AFTER EACH RAINFALL EVENT.
4. REMOVE SEDIMENT WHEN BUILDUP REACHES A DEPTH OF 3 INCHES.
5. STRUCTURES CAN BE REMOVED WHEN THE REMAINING DRAINAGE AREA CONSTRUCTION HAS CEASED AND THE AREA HAS BEEN PROPERLY STABILIZED.

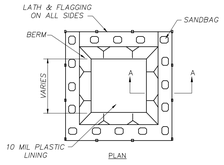
104 CURB INLET PROTECTION OR APPROVED ALTERNATE METHOD

SCALE: N.T.S.



103 STABILIZED CONSTRUCTION ENTRANCE

SCALE: N.T.S.



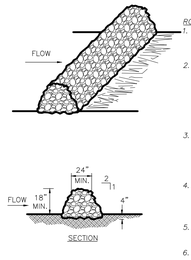
BELOW GROUND DETAIL
NTS

NOTES:

1. ACTUAL LAYOUT DETERMINED IN FIELD.

101 CONCRETE WASHOUT AREA

SCALE: N.T.S.



ROCK BERM NOTES:

1. USE ONLY OPEN GRADED ROCK 100 to 200 mm (4 to 8") DIAMETER FOR STREAM FLOW CONDITIONS. USE OPEN GRADED ROCK 75 to 125 mm (3 to 5") DIAMETER FOR OTHER CONDITIONS.
2. THE ROCK BERM SHALL BE SECURED WITH A WOVEN WIRE SHEATHING HAVING MAXIMUM 25 mm (1") OPENING AND MINIMUM WIRE DIAMETER OF 12.9 mm (20 GAUGE). ROCK BERMS IN CHANNEL APPLICATIONS SHALL BE ANCHORED FIRMLY INTO THE SUBSTRATE A MINIMUM OF 150 mm (6 ") WITH T-POSTS OR WITH 15M OR 20M (#5 OR #6) REBAR, WITH MAXIMUM SPACING APART OF 1.2 m (48") ON CENTER.
3. THE ROCK BERM SHALL BE INSPECTED WEEKLY OR AFTER EACH RAIN, AND THE STONE AND/OR FABRIC CORE-WOVEN SHEATHING SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED, DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
4. WHEN SILT REACHES A DEPTH EQUAL TO ONE-THIRD THE HEIGHT OF THE BERM OR 150 mm (6"), WHICHEVER IS LESS, THE SILT SHALL BE REMOVED AND DISPOSED OF ON AN APPROVED SITE AND IN A MANNER THAT WILL NOT CREATE A SILTATION PROBLEM.
5. DAILY INSPECTION SHALL BE MADE ON SEVERE-SERVICE ROCK BERMS; SILT SHALL BE REMOVED WHEN ACCUMULATION REACHES 150 mm (6").
6. WHEN THE SITE IS COMPLETELY STABILIZED, THE BERM AND ACCUMULATED SILT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.

102 ROCK FILTER DAM

SCALE: N.T.S.

SEDIMENTATION AND EROSION CONTROLS

A. DESIGN CRITERIA:
(1) FENCES ARE TO BE CONSTRUCTED ALONG LEVEL CONTOURS.
(2) THE ENDS OF THE FENCE SHALL BE TURNED UPSTREAM TO PREVENT BYPASS OF STORMWATER.
(3) STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT.
(4) THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (E.G. PAVEMENT). WEIGHT FABRIC FLAP WITH WASHED GRAVEL ON UPHILL SIDE TO PREVENT FLOW UNDER FENCE.
(5) THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
(6) SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE. WHICH IS IN TURN ATTACHED TO THE STEEL FENCE POST. THERE SHALL BE A 12"-18" DOUBLE OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
(7) ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 6 INCHES. THE SILT SHALL BE DISPOSED OF IN AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO THE ADDITIONAL SILTATION.

B. TEMPORARY DIVERSION DIKE
(1) MAXIMUM DEPTH OF FLOW AT THE DIKE SHALL BE 1 FOOT.
(2) SIDE SLOPES OF THE DIVERSION DIKE SHALL BE 3:1 OR FLATTER.
(3) MINIMUM WIDTH OF THE EMBANKMENT AT THE TOP SHALL BE 2 FEET.
(4) MINIMUM EMBANKMENT HEIGHT SHALL BE 18 INCHES AS MEASURED FROM THE TOE OF SLOPE ON THE UPGRADE SIDE OF THE BERM.
(5) THE DIKES SHALL REMAIN IN PLACE UNTIL ALL DISTURBED AREAS WHICH ARE PROTECTED BY THE DIKE ARE PERMANENTLY STABILIZED UNLESS OTHER CONTROLS ARE PUT INTO PLACE TO PROTECT THE SITE.
(6) COMPACTED EARTH DIKES REQUIRE STABILIZATION IMMEDIATELY UPON PLACEMENT SO AS NOT TO CONTRIBUTE TO THE PROBLEM THEY ARE ADDRESSING.
(7) ALL DIVERSION DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
(8) DIKES MUST BE INSPECTED ON A REGULAR BASIS TO DETERMINE IF SILT IS BUILDING UP BEHIND THE DIKE, OR IF EROSION IS OCCURRING ON THE FACE OF THE DIKE. SILT SHALL BE REMOVED IN A TIMELY MANNER. IF EROSION IS OCCURRING ON THE FACE OF THE DIKE, THE SLOPES OF THE FACE SHALL BE STABILIZED.

C. INTERCEPTOR SWALE
(1) MAXIMUM DEPTH OF FLOW IN THE SWALE SHALL BE 1 FOOT.
(2) THE MINIMUM BOTTOM WIDTH OF THE SWALE SHALL BE 2 FEET.
(3) SIDE SLOPES OF THE SWALE SHALL BE 3:1 OR FLATTER.
(4) MINIMUM DESIGN CHANNEL FREEBOARD SHALL BE 6 INCHES.
(5) SWALES MUST MAINTAIN POSITIVE GRADE TO AN ACCEPTABLE OUTLET.
(6) INTERCEPTOR SWALES MUST BE STABILIZED IMMEDIATELY UPON EXCAVATION SO AS NOT TO CONTRIBUTE TO THE EROSION PROBLEM THEY ARE ADDRESSING.
(7) ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS AND OTHER MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE SWALE.
(8) ALL EARTH REMOVED AND NOT NEEDED IN CONSTRUCTION SHALL BE DISPOSED OF IN AN APPROVED SPOILS SITE.
(9) INSPECTION MUST BE MADE WEEKLY TO LOCATE AND REPAIR ANY DAMAGE TO THE CHANNEL OR TO CLEAR DEBRIS OR OTHER OBSTRUCTIONS SO AS NOT TO DIMINISH FLOW CAPACITY. DAMAGES WHICH RESULT FROM NORMAL CONSTRUCTION ACTIVITIES SHALL BE REPAIRED AT THE END OF EACH WORK DAY.

D. STONE OUTLET SEDIMENT TRAP
(1) MINIMUM WIDTH OF THE EMBANKMENT AT THE TOP SHALL BE 3 FEET PERPENDICULAR TO THE FLOW.
(2) MINIMUM EMBANKMENT SLOPE SHALL BE 3:1
(3) MAXIMUM EMBANKMENT HEIGHT SHALL BE 2 FEET AS MEASURED FROM THE TOE OF SLOPE TO THE CREST OF THE STONE OUTLET. THE HEIGHT OF THE COMPACTED EARTH EMBANKMENT SHALL BE ONE FOOT HIGHER THAN THE CREST OF THE OUTLET.
(4) SEDIMENT SHALL BE REMOVED AND THE AREA DIRECTLY BEHIND THE BERM SHALL BE REGRADED TO ITS ORIGINAL DIMENSIONS AT SUCH POINT WHEN THE CAPACITY OF IMPOUNDMENT HAS BEEN REDUCED TO ONE-HALF OF ITS ORIGINAL STORAGE CAPACITY.
(5) THE STONE OUTLET STRUCTURE SHOULD BE INSPECTED FREQUENTLY AND AFTER EACH MAJOR RAIN EVENT TO CHECK FOR CLOGGING OF THE VOID SPACES BETWEEN STONES. IF THE AGGREGATE APPEARS TO BE SILTED IN SUCH THAT EFFICIENCY IS DIMINISHED, THE STONE SHOULD BE REPLACED.

E. SEDIMENT BASIN
(1) MAXIMUM DRAINAGE AREA CONTRIBUTING TO THE BASIN SHALL BE 100 ACRES.
(2) DEPOSITED SEDIMENT SHALL BE REMOVED WHEN THE STORAGE CAPACITY OF THE BASIN HAS BEEN DEPLETED BY ONE-HALF.
(3) MINIMUM WIDTH OF THE EMBANKMENT AT THE TOP SHALL BE 8 FEET.
(4) MINIMUM EMBANKMENT SLOPE SHALL BE 3:1.
(5) SEDIMENT SHALL BE REMOVED AND THE BASIN SHALL BE REGRADED TO ITS ORIGINAL DIMENSIONS. THE REMOVED SEDIMENT SHALL BE STOCKPILED OR REDISTRIBUTED IN AREAS WHICH ARE PROTECTED FROM EROSION.
(6) THE BASIN OUTLET STRUCTURE AND EMERGENCY SPILLWAY (IF PRESENT) SHOULD BE CHECKED FREQUENTLY AND AFTER EACH MAJOR RAIN EVENT TO CHECK FOR DAMAGE.

F. STABILIZED CONSTRUCTION EXIT
(1) STONE SIZE - 4 TO 8 INCHES CRUSHED ROCK.
(2) LENGTH - AS EFFECTIVE, BUT NOT LESS THAN 50 FEET, UNLESS DEPTH OF LOT IS LESS THAN 150 FEET FROM EDGE OF PAVEMENT WHERE LENGTH MUST ONLY BE 30 FEET.
(3) THICKNESS - NOT LESS THAN 8 INCHES.
(4) WIDTH - NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
(6) MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADWAY, MUST BE REMOVED IMMEDIATELY.
(7) DRAINAGE - ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.

ADDITIONAL NOTES:
(1) UPON COMPLETION OF CONSTRUCTION ALL DISTURBED AREAS SHALL BE REVEGETATED TO 70% OF EXISTING CONDITIONS IN ACCORDANCE WITH THE SWPPP AND TPDES REQUIREMENTS.
(2) THIS PROJECT WILL NOT USE ANY OFF-SITE MATERIAL, WASTE/BORROW/FILL, OR EQUIPMENT STORAGE AREAS.
(3) THIS SITE IS LOCATED ADJACENT TO JURISDICTIONAL WATERS.

Revisions: Date:

Project Name:

ALAMO FELINE HEALTH CENTER ADDITION

16201 SAN PEDRO AVE.
HOLLYWOOD PARK, TEXAS 78232

Consultants:

UP ENGINEERING + SURVEYING

STATE OF TEXAS
RYAN R. PLAGENS
111640
LICENSED PROFESSIONAL ENGINEER
7/2/24

Architect:

DERRICK ARCHITECTS
6102 BROADWAY SUITE B-1
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PH: 210.822.2400
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Drawing Description:
EROSION & SEDIMENTATION CONTROL DETAILS

Drawing No:
C201

Date: JUNE 28, 2024

PLOT STYLE: V1.0 UP Production Standard.ctb DATE: July 2, 2024
USER: Ellis
SAVE DATE: 5/30/2024 3:27 PM
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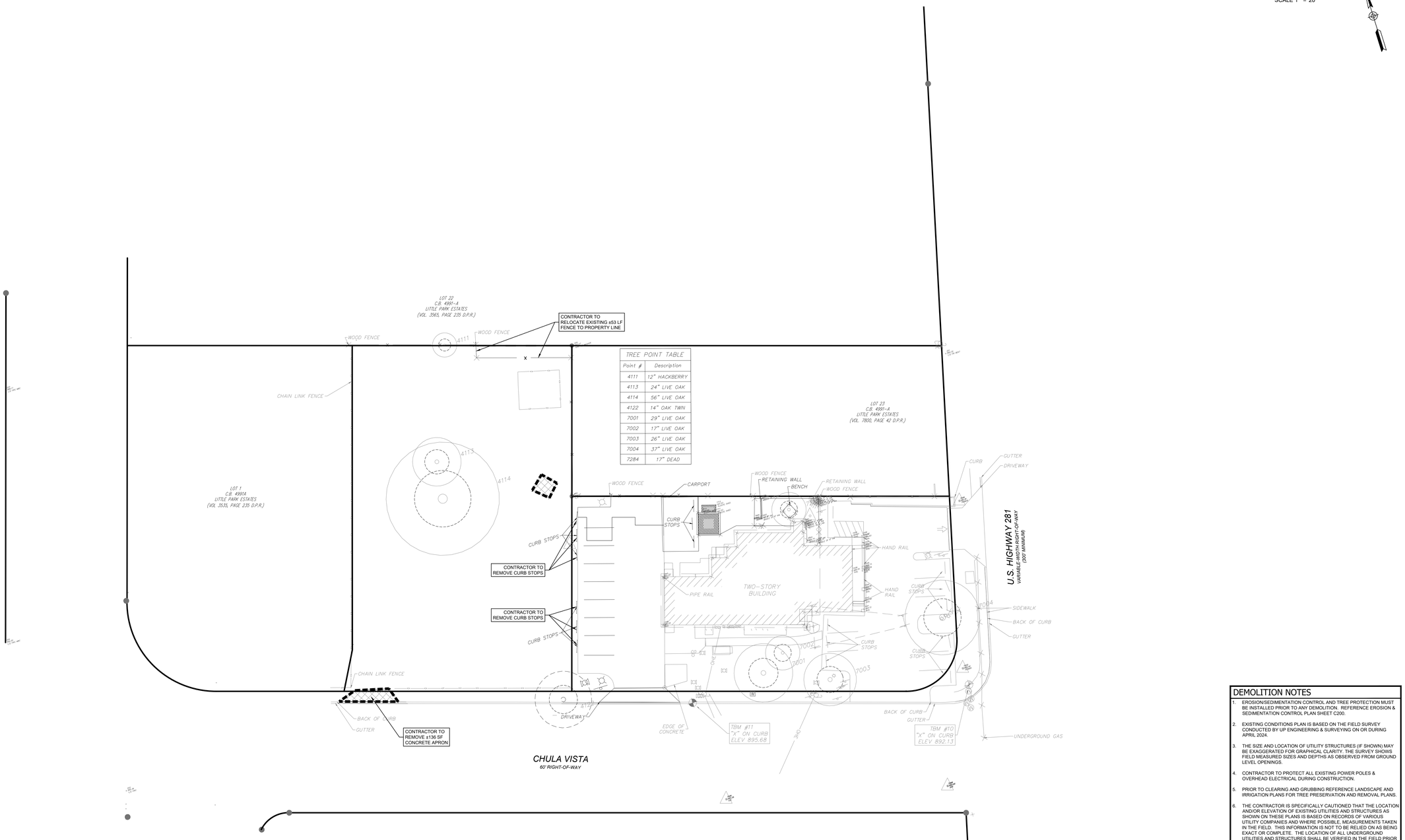

TREE POINT TABLE	
Point #	Description
4111	12" HACKBERRY
4113	24" LIVE OAK
4114	56" LIVE OAK
4122	14" OAK TWIN
7001	29" LIVE OAK
7002	17" LIVE OAK
7003	26" LIVE OAK
7004	37" LIVE OAK
7284	17" DEAD

DEMOLITION NOTES

1. EROSION/SEDIMENTATION CONTROL AND TREE PROTECTION MUST BE INSTALLED PRIOR TO ANY DEMOLITION. REFERENCE EROSION & SEDIMENTATION CONTROL PLAN SHEET C200.
2. EXISTING CONDITIONS PLAN IS BASED ON THE FIELD SURVEY CONDUCTED BY UP ENGINEERING & SURVEYING ON OR DURING APRIL 2024.
3. THE SIZE AND LOCATION OF UTILITY STRUCTURES (IF SHOWN) MAY BE EXAGGERATED FOR GRAPHICAL CLARITY. THE SURVEY SHOWS FIELD MEASURED SIZES AND DEPTHS AS OBSERVED FROM GROUND LEVEL OPENINGS.
4. CONTRACTOR TO PROTECT ALL EXISTING POWER POLES & OVERHEAD ELECTRICAL DURING CONSTRUCTION.
5. PRIOR TO CLEARING AND GRUBBING REFERENCE LANDSCAPE AND IRRIGATION PLANS FOR TREE PRESERVATION AND REMOVAL PLANS.
6. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AND STRUCTURES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES SHALL BE VERIFIED IN THE FIELD PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY, ANY GOVERNING PERMITTING AUTHORITY, AND "DIG TEST" AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST EXACT FIELD LOCATION OF UTILITIES INTERFERING WITH THE PROPOSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTION TAKEN BEFORE PROCEEDING WITH THE WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLAN PER THE APPROPRIATE REMEDIAL ACTION AGREED UPON BY THE ENGINEER.
7. NO SITE DISTURBANCE SHALL OCCUR UNTIL THE PRECONSTRUCTION MEETING WITH THE CITY/COUNTY AND/OR GOVERNING AGENCY INSPECTOR IS HELD.
8. ALL DEMOLITION OF EXISTING CURBING AND SIDEWALKS MUST BE DONE BY HAND WHEN WORKING WITHIN THE 1/2 CRITICAL ROOT ZONE OF EXISTING TREES.
9. TREE PROTECTION FENCE MOVED DURING CONSTRUCTION MUST BE RE-INSTATED AS SOON AS DEMOLITION WORK IS COMPLETED. ANY WORK BEING DONE WITHIN THE TREE PROTECTION FENCE AREA MUST NOT IMPACT TREE(S). NO ROOT DAMAGE AND NO BRANCH OR TRUNK DAMAGE. ADD A 12" LAYER OF MULCH WITHIN THE TREE PROTECTION FENCE AREA PRIOR TO CONDUCTING ANY WORK INSIDE FENCE AREA.
10. LIMITS OF CONSTRUCTION ARE SHOWN ON THE EROSION & SEDIMENTATION CONTROL PLAN(S).
11. REFERENCE "TREE LIST" ON SHEET [C100] AND EROSION & SEDIMENTATION CONTROL PLAN ON SHEET [C200] FOR TREE INFORMATION.
12. TREES SHOWN IN BOLD TO REMAIN WITHIN LIMITS OF CLUSTER TO REMOVE.
13. WHERE A STATE OR LOCAL MUNICIPAL STANDARD DETAIL DUPLICATES A DETAIL SHOWN IN THE PLANS, THE MORE STRINGENT DETAIL, AS DETERMINED BY THE REVIEWING AGENCY, SHALL APPLY.

!!! CAUTION !!!

CONTRACTOR TO VERIFY ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING ALL EXISTING UTILITIES BY CALLING DIGTESS @ 1-800-DIG-TESS FOR LOCATION OF ALL UTILITIES, AT LEAST 2 WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION.

Revisions: Date:

Project Name:

Alamo Feline Health Center Addition

16201 SAN PEDRO AVE.
HOLLYWOOD PARK, TEXAS 78232

Consultants:

UP ENGINEERING + SURVEYING

STATE OF TEXAS
RYAN R. PLAGENS
111640
LICENSED
PROFESSIONAL ENGINEER
7/2/24

Architect:

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Drawing Description:
DEMOLITION PLAN

Drawing No:
CD100

Date: JUNE 28, 2024

PLOT STYLE: V1.0_UP Production Standard.ctb PLOT DATE: July 2, 2024
SAVE DATE: 6/20/2024 11:07 AM USER: Billy
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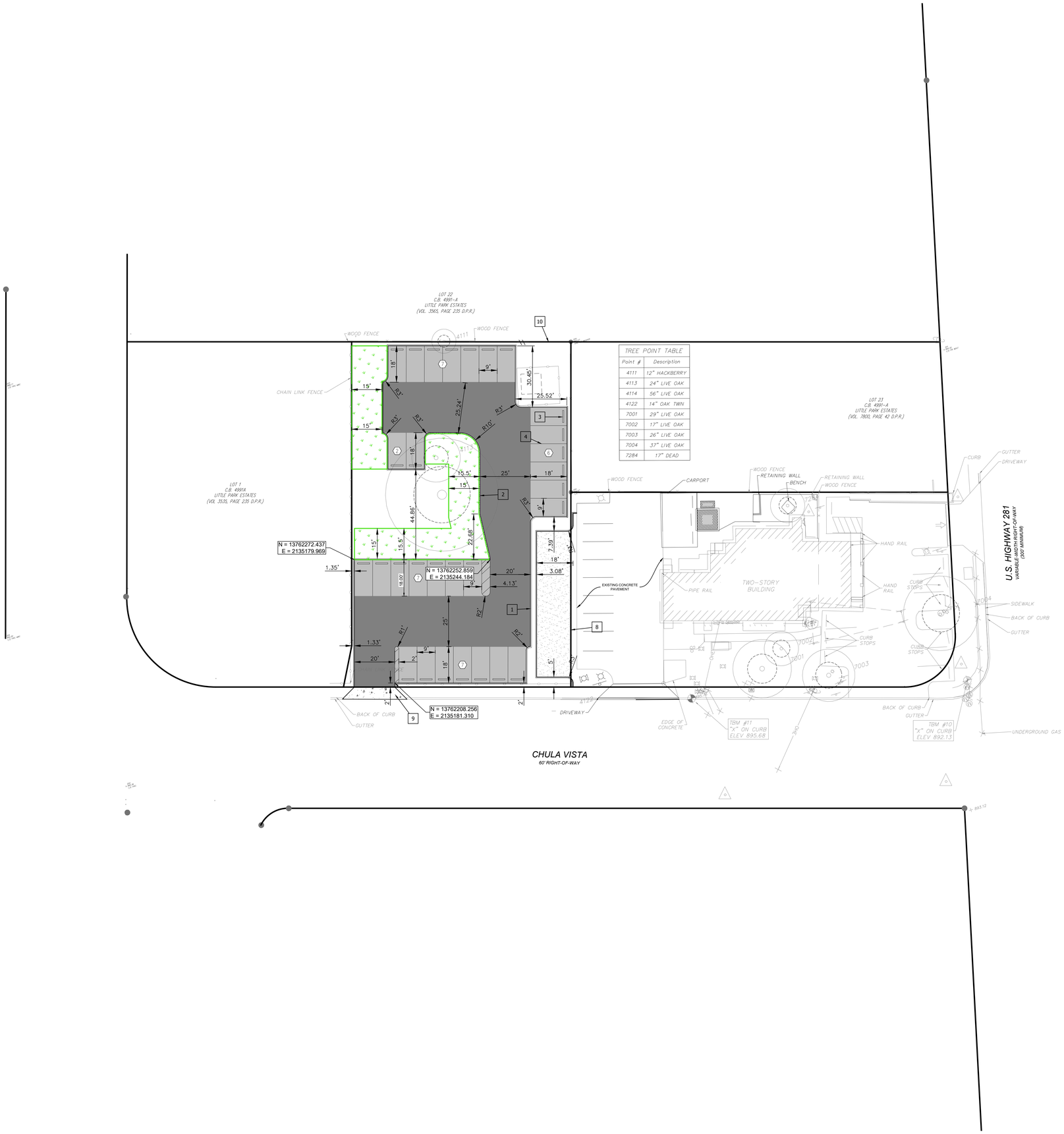

0 10' 20' 40'
SCALE 1" = 20'

N

SITE PLAN KEY NOTES	
1	STANDARD 6" CURB (REFERENCE C600)
2	CURB OPENING/SAWTOOTH CURB (REFERENCE C600)
3	6' PRECAST CONCRETE WHEELSTOP (REFERENCE C600)
4	PARKING SPACE STRIPING
5	ACCESSIBILITY STRIPING (REFERENCE C600)
6	HANDICAP SIGN / VAN PARKING SIGN AND PARKING BUMPER (REFERENCE C601)
7	DUMPSTER ENCLOSURE (REFERENCE ARCHITECTURAL PLANS)
8	TIE NEW CONCRETE PAVEMENT INTO EXISTING CONCRETE (SEE DETAIL C600)
9	STANDARD CITY OF SAN ANTONIO CONCRETE DRIVEWAY APRON
10	CONTRACTOR TO RELOCATE PORTION OF EXISTING FENCE THAT ENCROACHES ONTO PROPERTY TO THE PROPERTY LINE

SITE PLAN NOTES

1. EXISTING CONDITIONS SURVEY WAS PERFORMED BY UP ENGINEERING + SURVEYING, CONDUCTED APRIL 2024
2. REFERENCE COVER SHEET FOR ADDITIONAL SITE INFORMATION.
3. REFERENCE SHEET C001, GENERAL NOTES FOR ADDITIONAL SITE NOTES.
4. REFERENCE EXISTING CONDITIONS PLAN FOR EXISTING TREES.
5. LIMITS OF CONSTRUCTION ARE SHOWN ON THE EROSION & SEDIMENTATION CONTROL PLAN, REFERENCE SHEET C200.
6. ALL SITE DIMENSIONS ARE TO FACE OF CURB, CENTER OF STRIPING, AND PROPERTY LINE UNLESS OTHERWISE NOTED.
7. REFERENCE STRUCTURAL PLANS FOR FOUNDATION INFORMATION AND DETAILS.
8. REFERENCE ARCHITECTURAL PLANS FOR DETAILED BUILDING INFORMATION AND DETAILS.
9. REFERENCE CANOPY PLANS FOR FUEL CANOPY AND FUEL TANK INFORMATION AND DETAILS.
10. "C" IN PARKING SPACE DENOTES COMPACT SPACE. COMPACT SPACES ARE 8' X 16'.
11. CONTRACTOR TO ENSURE BOLLARDS PLACED IN ACCESSIBLE STRIPING AREAS MEETS MINIMUM ADA TRAVEL WIDTH REQUIREMENTS.
12. ALL SIDEWALKS, CURBS, RAMPS AND DRIVE APPROACHES IN THE RIGHT OF WAY SHALL BE IN COMPLIANCE WITH CURRENT TEXAS ACCESSIBILITY STANDARDS AND THE CIT OF SAN ANTONIO DESIGN STANDARDS PRIOR TO FINAL INSPECTION APPROVAL.
13. ANY WORK CONDUCTED IN A TXDOT RIGHT OF WAY WILL REQUIRE A TXDOT PERMIT.
14. LOCATION OF EXISTING UTILITIES, SOME OF WHICH MAY NOT BE SHOWN, COULD IMPACT CONSTRUCTION MEANS AND METHODS. CONTRACTOR TO VERIFY ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO BID AND CONSTRUCTION, AND SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES. THE CONTRACTOR TO CONTACT THE AREA "ONE CALL" SYSTEM @ 811, OR THE OWNER OF EACH INDIVIDUAL UTILITY FOR ASSISTANCE IN DETERMINING EXISTING UTILITY LOCATIONS.
15. THE SIZE AND LOCATION OF UTILITY STRUCTURES (IF SHOWN) MAY BE EXAGGERATED FOR GRAPHICAL CLARITY. THE SURVEY SHOWS FIELD MEASURED SIZES AND DEPTHS AS OBSERVED FROM GROUND LEVEL OPENINGS.
16. ON ALL GRAVITY LINES, CONTRACTOR MUST START AT DOWNSTREAM END AND PROCEED UPSTREAM TAKING CARE TO EXPOSE ALL EXISTING UTILITIES AND STRUCTURES WHICH MAY CONFLICT WITH THE PROPOSED LINE. ANY OTHER SEQUENCE OF CONSTRUCTION WILL BE AT THE CONTRACTOR'S RISK.
17. ALL ITEMS ARE TO BE FURNISHED & INSTALLED BY CONTRACTOR. REFERENCE CONSTRUCTION DETAILS SHEETS FOR ADDITIONAL INFORMATION.
18. CONTRACTOR TO REPAIR AND/OR REPLACE ALL DAMAGED SIDEWALKS AND CURBS AROUND SITE IN ACCORDANCE WITH THE [CITY OF SAN ANTONIO] STANDARD DETAILS AND SPECIFICATIONS.

!!! CAUTION !!!

CONTRACTOR TO VERIFY ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING ALL EXISTING UTILITIES BY CALLING DIGTESS @ 1-800-DIG-TESS FOR LOCATION OF ALL UTILITIES, AT LEAST 2 WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION.

Revisions: Date:

Project Name:

Alamo Feline Health Center Addition

16201 SAN PEDRO AVE.
HOLLYWOOD PARK, TEXAS 78232

Consultants:

UP ENGINEERING + SURVEYING

STATE OF TEXAS
RYAN R. PLAGENS
111640
LICENSED
PROFESSIONAL ENGINEER
7/2/24

Architect:

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Drawing Description:
SITE PLAN

Drawing No:
CS100

Date: JUNE 28, 2024

PLOT STYLE: WA4.ctb PLOT DATE: July 2, 2024
SAVE DATE: 6/28/2024 6:44 AM USER: RPs
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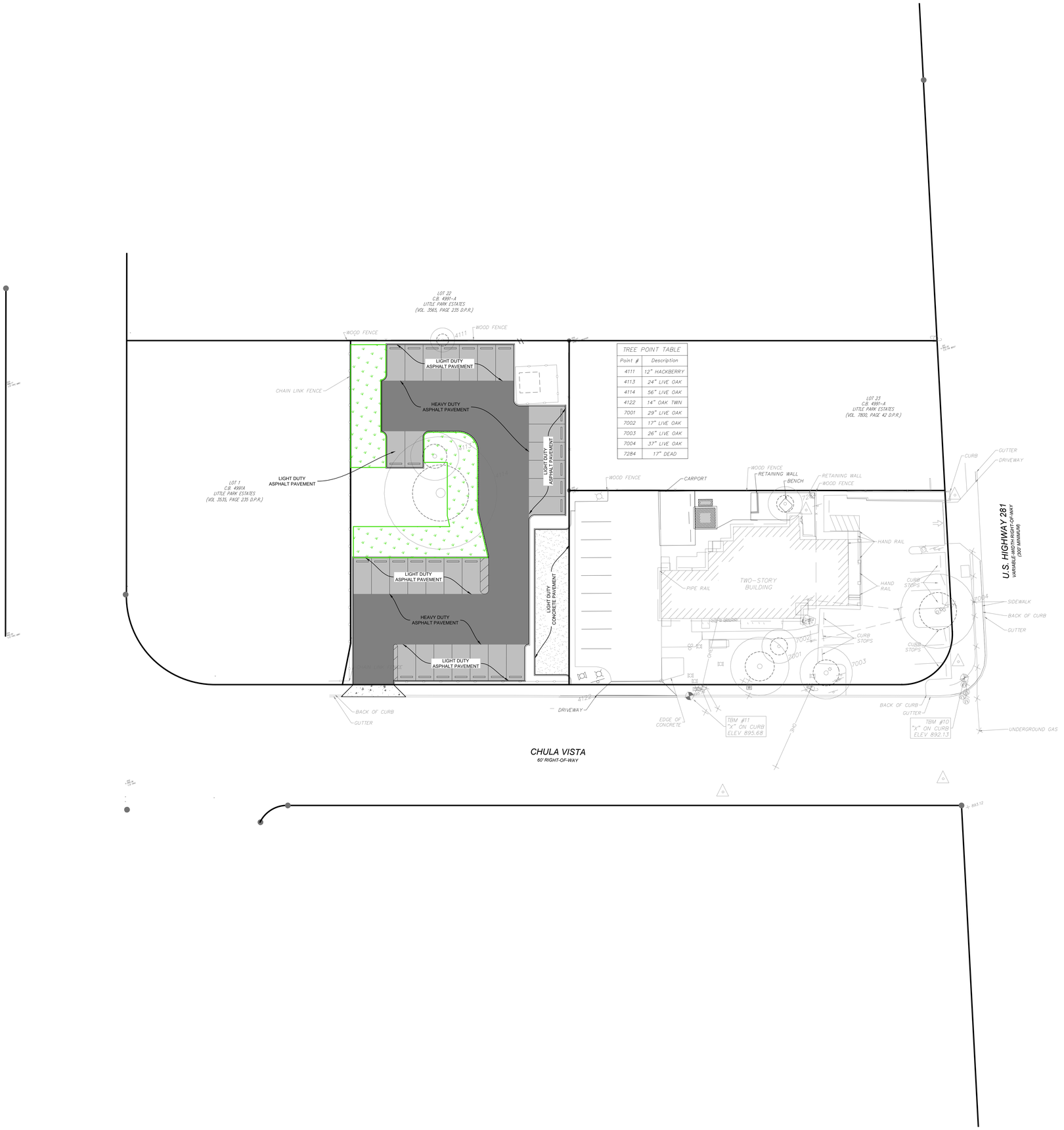

TREE POINT TABLE	
Point #	Description
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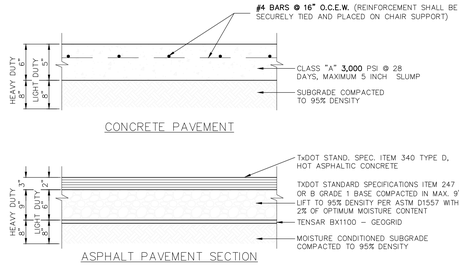

CONCRETE PAVEMENT

ASPHALT PAVEMENT SECTION

NOTE:
1. PAVEMENT SECTION(S) FOR REFERENCE PURPOSES ONLY. CONTRACTOR SHOULD CONSULT THE LATEST APPLICABLE GEOTECHNICAL INVESTIGATION BY **PROFESSIONAL SERVICE INDUSTRIES, INC. PSI PROJECT No. 0312-3206 PREPARED ON MAY 23, 2024.**

PAVEMENT SECTIONS

NOT TO SCALE

NOTE:

1. REFERENCE SITE PLAN, GRADING & DRAINAGE PLANS FOR ADDITIONAL DETAIL.
2. EXPANSION JOINT LAYOUT SHOWN HERE IS A PICTORIAL REPRESENTATION. TH ACTUAL LAYOUT WILL BE DETERMINED BY GEOTECHNICAL ENGINEER, CONCRETE CONTRACTOR AND FIELD CONDITIONS.
3. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL SOIL COMPACTION TESTING AND CONCRETE TESTING AND TO VERIFY THAT ALL REQUIREMENTS ARE MET IN ACCORDANCE WITH THE GEOTECHNICAL REPORT AND CITY OF SAN ANTONIO REQUIREMENTS. ANY WORK THAT DOES NOT MEET ALL REQUIREMENTS WILL BE REPLACED UNTIL IT HAS MET SAID REQUIREMENTS AT THE CONTRACTOR'S EXPENSE.
4. CONTRACTOR TO VERIFY CONCRETE DESIGN WITH OWNER'S GEOTECHNICAL STUDY.

!!! CAUTION !!!

CONTRACTOR TO VERIFY ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING ALL EXISTING UTILITIES BY CALLING DIGTESS @ 1-800-DIG-TESS FOR LOCATION OF ALL UTILITIES, AT LEAST 2 WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION.

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Drawing Description:
PAVING PLAN

Drawing No:
CP100

Date: JUNE 28, 2024

PLOT STYLE: V1.0 UP Production Standards.ctb PLOT DATE: July 2, 2024
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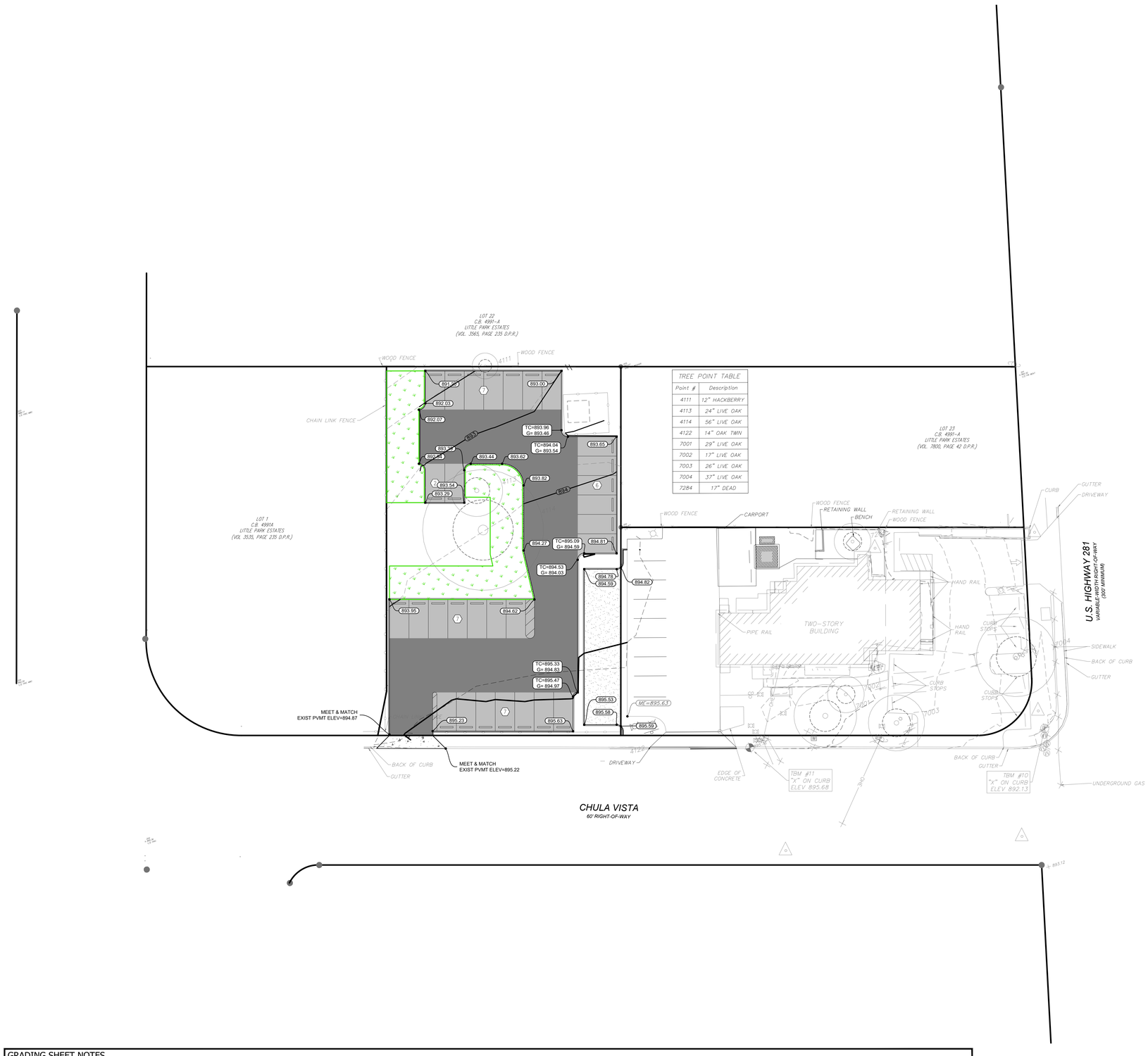


GRADING SHEET NOTES

1. EXISTING CONDITIONS SURVEY WAS PERFORMED BY UP ENGINEERING + SURVEYING, CONDUCTED APRIL 2024
2. THE SIZE AND LOCATION OF UTILITY STRUCTURES (IF SHOWN) MAY BE EXAGGERATED FOR GRAPHICAL CLARITY. THE SURVEY SHOWS FIELD MEASURED SIZES AND DEPTHS AS OBSERVED FROM GROUND LEVEL OPENINGS.
3. DIMENSIONS SHOWN IN PLAN ARE REFERENCED TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
4. THERE ARE NOT EXISTING HERITAGE TREES ON THE SITE.
5. REFERENCE COVER SHEET FOR ADDITIONAL SITE INFORMATION.
6. REFERENCE SHEET C001 FOR GENERAL NOTES.
7. REFERENCE SHEET C200 FOR LIMITS OF CONSTRUCTION SHOWN IN THE EROSION & SEDIMENTATION CONTROL PLAN.
8. CAUTION!! EXISTING GAS LINE ON-SITE. PRIOR TO CONSTRUCTION CONTRACTOR/OWNER SHALL COORDINATE WITH GAS COMPANY TO OBTAIN APPROVAL TO PERFORM ANY WORK IN THE GAS EASEMENT. CONTRACTOR SHALL ALSO COORDINATE WITH GAS COMPANY, OWNER, AND ARCHITECT PRIOR TO CONDUCTING ANY DIRT WORK IN ORDER TO OBTAIN PERMISSION TO PLACE FILL WITHIN THE GAS EASEMENT.
9. POSITIVE DRAINAGE SHALL BE MAINTAINED ON ALL AREAS WITHIN THE SCOPE OF THIS PROJECT. DRAINAGE SHALL BE DIRECTED AWAY FROM ALL BUILDING FOUNDATIONS. CONTRACTOR SHOULD TAKE PRECAUTIONS NO TO ALLOW ANY PONDING OF WATER. MINIMUM SLOPE 0.50%.
10. NO ABRUPT CHANGE OF GRADE SHALL OCCUR.
11. ALL DISTURBED AREAS SHALL BE RE-VEGETATED, BY THE CONTRACTOR.
12. RETAINING WALLS OVER FOUR FEET IN HEIGHT, MEASURED FROM THE BOTTOM OF THE FOOTING TO THE TOP OF THE WALL, SHALL BE ENGINEERED AND WILL REQUIRE A SEPARATE PERMIT (2009 INTERNATIONAL BUILDING CODE 105.2).
13. THE CONTRACTOR WILL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL UTILITIES AND DRAINAGE STRUCTURES WHETHER SHOWN ON THE PLAN OR NOT. THE CONTRACTOR SHALL UNCOVER EXISTING UTILITIES PRIOR TO CONSTRUCTION TO VERIFY SIZE, GRADE, AND LOCATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DEVIATIONS FROM PLANS PRIOR TO BEGINNING CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR, AT HIS EXPENSE.
14. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIS CONTRACT WHERE NOT SPECIFICALLY COVERED IN THE PROJECT SPECIFICATIONS SHALL CONFORM TO ALL APPLICABLE CITY OF KYLE AND/OR HAYS COUNTY SPECIFICATIONS FOR CONSTRUCTION, TXDOT STANDARD SPECIFICATIONS, AND THE UTILITY PURVEYORS STANDARD SPECIFICATIONS.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ORIGINAL, OR BETTER CONDITION ANY DAMAGES DONE TO EXISTING SIGNS, UTILITIES, PAVEMENT, CURBS, SIDEWALKS OR DRIVEWAYS (NO SEPARATE ITEM).
16. DUE TO FEDERAL REGULATION TITLE 49, PART 192.181, THE GAS PURVEYOR MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVE THAT ARE IN THE PROJECT AREA.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH NECESSARY UTILITY COMPANIES FOR PROVIDING TEMPORARY UTILITY SERVICES DURING CONSTRUCTION. ALL EXISTING UTILITIES ARE TO REMAIN IN SERVICE DURING CONSTRUCTION.
18. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY QUESTIONS THAT MAY ARISE CONCERNING THE INTENT, PLACEMENT, OR LIMITS, OF DIMENSIONS OR GRADES NECESSARY FOR CONSTRUCTION OF THIS PROJECT.
19. THE CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT AT NEW PAVEMENT AND CURB JUNCTURES. NO JAGGED OR IRREGULAR CUTS IN PAVEMENT WILL BE ACCEPTED.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS, TESTS, APPROVALS AND ACCEPTANCES REQUIRED TO COMPLETE CONSTRUCTION OF THIS PROJECT.
21. ALL EXCAVATION IS UNCLASSIFIED.
22. ALL ON-SITE CURBS ARE 6" HIGH UNLESS OTHERWISE SPECIFIED.
23. CONTRACTOR TO RAISE/LOWER ALL UTILITY BOXES, COVERS, GRATES, VALVES BOXES, MANHOLES, CLEANOUTS, ETC., TO MATCH PROPOSED FINISHED GRADE ELEVATIONS.
24. SITE PLAN MUST COMPLY WITH TEXAS ACCESSIBILITY STANDARDS ADMINISTERED BY THE TEXAS DEPARTMENT OF LICENSING AND REGULATION (TDLR) AND THE AMERICAN DISABILITIES ACT OF 1990, AS AMENDED. CONTRACTOR SHALL ENSURE SLOPES ON ACCESSIBLE ROUTES SHALL NOT EXCEED 5% AND CROSS SLOPES SHALL NOT EXCEED 2%. GROUND SURFACES ALONG ACCESSIBILITY ROUTES MUST BE STABLE, FIRM AND SLIP RESISTANCE. IF CONTRACTOR FINDS ANY SLOPE OR SPOT ELEVATION DISCREPANCIES, CONTRACTOR SHALL NOTIFY ENGINEER BEFORE BEGINNING CONSTRUCTION.

!!! CAUTION !!!

CONTRACTOR TO VERIFY ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING ALL EXISTING UTILITIES BY CALLING DIGTESS @ 1-800-DIG-TESS FOR LOCATION OF ALL UTILITIES, AT LEAST 2 WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION.

Revisions: Date:

Project Name:

ALAMO FELINE HEALTH CENTER ADDITION

16201 SAN PEDRO AVE.
HOLLYWOOD PARK, TEXAS 78232

Consultants:

UP ENGINEERING + SURVEYING

STATE OF TEXAS
RYAN R. PLAGENS
111640
LICENSED
PROFESSIONAL ENGINEER
7/2/24

Architect:

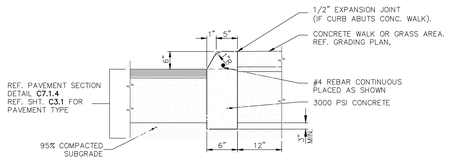
DERRICK ARCHITECTS
6102 BROADWAY SUITE B-1
SAN ANTONIO, TEXAS 78209
PH: 210.822.2400
WWW.DERRICKARCH.COM

Drawing Description:
GRADING PLAN

Drawing No:
CG101

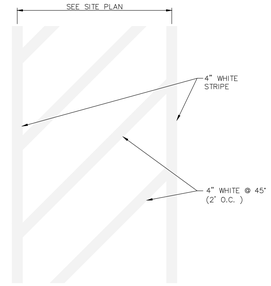
Date: JUNE 28, 2024

PLOT STYLE: v1.0 UP Production Standard.ctb PLOT DATE: July 2, 2024
SAVE DATE: 6/28/2024 6:49 AM USER: Brio
FILE: U:_Projects\538 - Alamo Feline Health Center\ACAD\Sheets\538 - CG100 GRADING PLAN.dwg

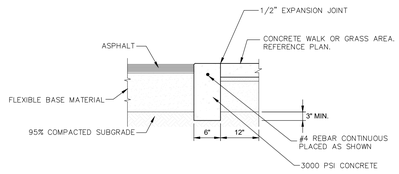


NOTE:
1. PROVIDE CONTROL JOINTS @ 10' O.C.
   & EXPANSION JOINTS @ 40' O.C.

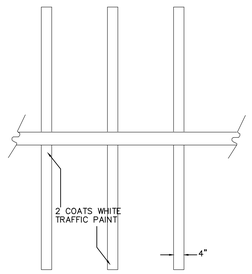
STANDARD CONCRETE CURB
N.T.S.



NO PARKING STRIPING DETAIL
NOT TO SCALE

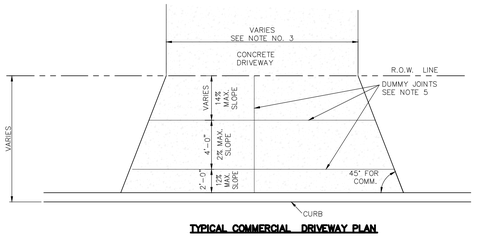


FLUSH CURB DETAIL
NOT TO SCALE

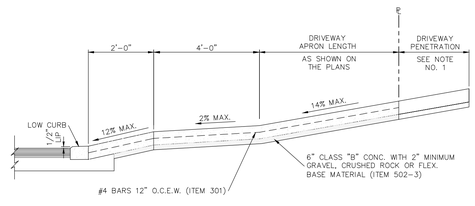


NOTE: SEE SITE DEVELOPMENT PLAN
FOR PARKING DIMENSIONS & LAYOUT

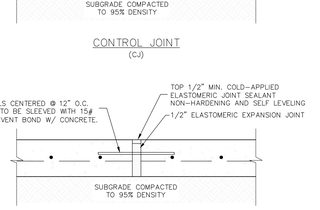
PAVEMENT STRIPING
N.T.S.



TYPICAL COMMERCIAL DRIVEWAY PLAN



TYPICAL COMMERCIAL DRIVEWAY SECTION
(ITEM 502-2 WHERE SIDEWALK IS SEPARATED FROM CURB)
NOT TO SCALE

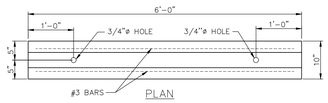


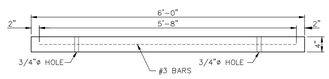
CONTROL JOINT
(CJ)

EXPANSION JOINT
(EJ)

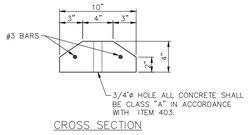
NOTE:
FOR BIDDING PURPOSES ONLY.
CONTRACTOR SHOULD CONSULT THE
APPLICABLE GEOTECHNICAL
INVESTIGATION BY **[NAME]**

EXPANSION AND CONTROL JOINTS
NOT TO SCALE



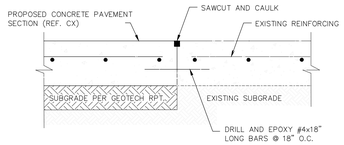


LONGITUDINAL SECTION

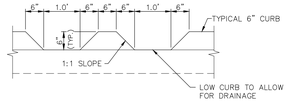


CROSS SECTION

WHEEL STOP
N.T.S.



CONCRETE TO EXISTING CONCRETE PAVEMENT TIE-IN
NOT TO SCALE



SAWTOOTH CURB
N.T.S.

DRIVEWAY NOTES:

1. DRIVEWAY PENETRATION REFERS TO A PORTION OF THE DRIVEWAY THAT MAY BE NECESSARY TO RECONSTRUCT WITHIN PRIVATE PROPERTY TO COMPLY WITH A MAXIMUM DRIVEWAY SLOPE. THIS PORTION OF THE DRIVEWAY SHALL BE PAID FOR UNDER THE FOLLOWING ITEMS AS MAY APPLY:
   A. CONCRETE DRIVEWAY PAID FOR UNDER ITEM NO. 502-2
   B. ASPHALTIC CONCRETE DRIVEWAY PAID FOR UNDER NO. 503-1 (1" ASPHALT TYPE "D" & 6" FLEXIBLE BASE)
   C. GRAVEL DRIVEWAY PAID FOR UNDER ITEM NO. 503-2 (6" FLEXIBLE BASE)
2. 7" MINIMUM HEIGHT WILL NOT NECESSARILY OCCUR AT THE PROPERTY LINE. IT MAY OCCUR WITHIN THE RIGHT OF WAY OR WITHIN THE DRIVEWAY PENETRATION ON PRIVATE PROPERTY.
3. PROPOSED DRIVEWAYS ARE TO MATCH EXISTING SIZES, BUT ARE NOT TO EXCEED 30 FT. AT THE PROPERTY LINE UNLESS AUTHORIZED BY THE CITY TRAFFIC ENGINEER.
4. FOR LOCATION OF THE PROPOSED SIDEWALK, SEE PLANS. FOR THE STREETS OTHER THAN LOCAL TYPE "A" STREETS, THE EDGE OF THE SIDEWALK MUST BE LOCATED A MINIMUM OF (2) FEET AWAY FROM THE BACK OF THE CURB.
5. DUMMY JOINTS TO BE PLACED AT 4' INTERVALS FROM THE BACK OF THE CURB AND ONE DUMMY JOINT PLACED PERPENDICULAR TO THE CURB AND BEING IN THE CENTER OF THE DRIVEWAY AS SHOWN.

CONCRETE DRIVEWAY
N.T.S.

Revisions: Date:

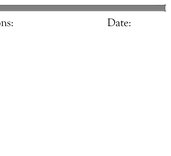
Project Name:

ALAMO FELINE HEALTH CENTER ADDITION

16201 SAN PEDRO AVE.
HOLLYWOOD PARK, TEXAS 78232

Consultants:

UP ENGINEERING + SURVEYING



Architect:

DERRICK ARCHITECTS

6102 BROADWAY SUITE B-1
SAN ANTONIO, TEXAS 78209
PH: 210.822.2400
WWW.DERRICKARCH.COM

Drawing Description:
CONSTRUCTION DETAILS

Drawing No:

C600

Date: JUNE 28, 2024

PLOT STYLE: V1.0 UP Production Standards.ctb PLOT DATE: July 2, 2024
USER: Billo
SAVE DATE: 6/28/2024 11:53 AM
FILE: U:_Projects\538 - Alamo Feline Health Center\ACAD\Sheets\538 - C600 CONSTRUCTION DETAILS.dwg

Permanent Stormwater Section
Attachment G

Inspection, Maintenance, Repair and Retrofit Plan

UP ENGINEERING

Inspection, Maintenance, Repair and Retrofit Plan

Project Name _____

Address _____

City, State, Zip Code _____

VEGETATIVE FILTER STRIPS

Weekly: While construction of the site is ongoing within the basin drainage area, the filter strips shall be checked for accumulation of trash and debris. Trash and debris shall be removed if excessive.

The level of accumulated silt shall also be checked weekly while construction of lots is ongoing within the basin drainage area. If depth of silt exceeds 6-inches, it shall be removed and disposed of "properly".

Monthly: The vegetative growth in the filter strips shall be checked. The growth shall not exceed 18 inches in height.

Quarterly: The level of accumulated silt shall be checked. If depth of silt exceeds 6 inches, it shall be removed and disposed of "properly".

The basin shall be checked for accumulation of debris and trash. The debris and trash shall be removed if excessive. All debris and trash shall be removed at least every six months.

Annually: The basin shall be inspected for structural integrity and repaired if necessary.

After Rainfall: The basin shall be checked after each rainfall occurrence to ensure that it drains within 24-hours after the storm is over. If it does not drain within this time, corrective maintenance will be accomplished.

FILTRATION BASINS

Weekly: While construction of lots is ongoing within the basin drainage area, the basin shall be checked for accumulation of trash and debris. Trash and debris shall be removed if excessive.

The level of accumulated silt shall also be checked weekly while construction of lots is ongoing within the basin drainage area. If depth of silt exceeds ½ inch, it shall be removed and disposed of "properly".

Monthly: The vegetative growth shall be checked. Vegetation in the basin shall not exceed 18 inches in height.

Quarterly: The level of accumulated silt shall be checked. If depth of silt/pollutants exceeds ½ inch, it shall be removed and disposed of "properly".

UP ENGINEERING

The accumulation of pollutants/oils shall be checked. If the pollutants have significantly reduced the designed capacity of the sand filter, the pollutants shall be removed.

The basin shall be checked for accumulation of debris and trash. The debris and trash shall be removed if excessive. All debris and trash shall be removed at least every six months.

Annually: The basin shall be inspected for structural integrity and repaired if necessary.

After Rainfall: The basin shall be checked after each rainfall occurrence to ensure that it drains within 36 hours after the sedimentation basin has been emptied. If it does not drain within this time, corrective maintenance will be accomplished.

Following any required maintenance, the surface of the filtration basin shall be raked and leveled to restore the system to its designed condition.

*"Proper" disposal of accumulated silt shall be accomplished following Texas Water Commission and City of San Antonio guidelines and specifications.

An amended copy of this document will be provided to the Texas Water Commission within thirty (30) days of any changes in the following information.

Responsible Party for Maintenance	Alamo Feline Health Center, PA
Address	16201 San Pedro Ave
City, State Zip	Hollywood Park, TX 78232
Telephone Number	210-404-2287
Signature of Responsible Party	

UP ENGINEERING

Permanent Stormwater Section
Attachment H

Pilot-Scale Field Testing Plan

UP ENGINEERING

Pilot-Scale Field Testing Plan

A pilot-scale field testing plan is not proposed for this project and this section is not applicable.

Permanent Stormwater Section
Attachment I

Measures for Minimizing Surface Stream Contamination

UP ENGINEERING

Measures for Minimizing Surface Stream Contamination

Onsite vegetative filter strips will be used as permanent controls to treat storm water runoff before it enters the conveyance systems that ultimately end up in Lorence Creek. Runoff leaving the site will continue to drain naturally into the headwaters of Lorence Creek, a tributary to Salado Creek.

Owner Authorization Form
Agent Authorization Form (TCEQ-0599)

Agent Authorization Form
For Required Signature
Edwards Aquifer Protection Program
Relating to 30 TAC Chapter 213
Effective June 1, 1999

I Gary D. Norsworthy,
Print Name

Owner,
Title - Owner/President/Other

of Alamo Feline Health Center, PA,
Corporation/Partnership/Entity Name

have authorized UP Engineering + Surveying
Print Name of Agent/Engineer

of UP Engineering + Surveying
Print Name of Firm

to represent and act on the behalf of the above named Corporation, Partnership, or Entity for the purpose of preparing and submitting this plan application to the Texas Commission on Environmental Quality (TCEQ) for the review and approval consideration of regulated activities.

I also understand that:

1. The applicant is responsible for compliance with 30 Texas Administrative Code Chapter 213 and any condition of the TCEQ's approval letter. The TCEQ is authorized to assess administrative penalties of up to $10,000 per day per violation.

2. For those submitting an application who are not the property owner, but who have the right to control and possess the property, additional authorization is required from the owner.

3. Application fees are due and payable at the time the application is submitted. The application fee must be sent to the TCEQ cashier or to the appropriate regional office. The application will not be considered until the correct fee is received by the commission.

4. A notarized copy of the Agent Authorization Form must be provided for the person preparing the application, and this form must accompany the compieted application.

5. No person shall commence any regulated activity on the Edwards Aquifer Recharge Zone, Contributing Zone or Transition Zone until the appropriate application for the activity has been filed with and approved by the Executive Director.

SIGNATURE PAGE:

Gary Norsworthy
Applicant's Signature

6/11/24
Date

THE STATE OF Texas §

County of Bexar §

BEFORE ME, the undersigned authority, on this day personally appeared Gary Norsworthy 6-11-24 known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that (s)he executed same for the purpose and consideration therein expressed.

GIVEN under my hand and seal of office on this 11 day of June, 2024.

Aimee Duffy
NOTARY PUBLIC

Aimee Duffy
Typed or Printed Name of Notary

AIMEE DUFFY
Notary ID #134517183
My Commission Expires
August 21, 2027

MY COMMISSION EXPIRES: August 21 2027

Owner Authorization Form

Texas Commission on Environmental Quality
for Required Signature
Edwards Aquifer Protection Program
Relating to 30 TAC Chapter 213
Effective June 1, 1999

Land Owner Authorization

I, Gary Norsworthy of Norsworthy Management Trust
Owner Signatory Name — Land Owner Name (Legal Entity or Individual)

am the owner of the property located at
CB 4991A BLK LOT E IRR 112.47 FT OF S IRR 170.06 FT OF 22 (ID 282836)
Legal description of the property referenced in the application

and am duly authorized in accordance with §213.4(c)(2) and §213.4(d)(1) or §213.23(c)(2) and §213.23(d) relating to the right to submit an application, signatory authority, and proof of authorized signatory.

I do hereby authorize Alamo Feline Health Center, PA
Applicant Name (Legal Entity or Individual)

to conduct construction of temporary and permanent BMPs
Description of the proposed regulated activities

at 210' west of the intersection of US Hwy 281 and Chula Vista, on the north side of Chula Vista .
Precise location of the authorized regulated activities

Land Owner Acknowledgement

I understand that Norsworthy Management Trust
Land Owner Name (Legal Entity or Individual)

Is ultimately responsible for compliance with the approved or conditionally approved Edwards Aquifer protection plan and any special conditions of the approved plan through all phases of plan implementation even if the responsibility for compliance and the right to possess and control the property referenced in the application has been contractually assumed by another legal entity. I further understand that any failure to comply with any condition of the executive director's approval is a violation is subject to administrative rule or orders and penalties as provided under §213.10 (relating to Enforcement). Such violation may also be subject to civil penalties and injunction.

Land Owner Signature

Land Owner Signature

7/23/24
Date

THE STATE OF § TEXAS

County of § Bexar

BEFORE ME, the undersigned authority, on this day personally appeared Gary Norsworthy known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that (s)he executed same for the purpose and consideration therein expressed.

GIVEN under my hand and seal of office on this 23 day of July 2024

SHARON DALLAL
Notary Public, State of Texas
Comm. Expires 01-09-2028
Notary ID 128844937

NOTARY PUBLIC

Sharon Dallal
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: January 9, 2028

Attached: (Mark all that apply)

- ☐ Lease Agreement
- ☐ Signed Contract
- ☐ Deed Recorded Easement
- ■ Other legally binding document

Applicant Acknowledgement

I, Gary Norsworthy of Alamo Feline Health Center, PA

Applicant Signatory Name — Applicant Name (Legal Entity or Individual)

acknowledge that Norsworthy Management Trust

Land Owner Name (Legal Entity or Individual)

has provided Alamo Feline Health Center, PA

Applicant Name (Legal Entity or Individual)

with the right to possess and control the property referenced in the Edwards Aquifer protection plan.

I understand that Alamo Feline Health Center, PA

Applicant Name (Legal Entity or Individual)

is contractually responsible for compliance with the approved or conditionally approved Edwards Aquifer protection plan and any special conditions of the approved plan through all phases of plan implementation. I further understand that failure to comply with any condition of the executive director's approval is a violation is subject to administrative rule or orders and penalties as provided under §213.10 (relating to Enforcement). Such violation may also be subject to civil penalties and injunction.

Applicant Signature

G Norsworthy

Applicant Signature

7/23/24

Date

THE STATE OF § TEXAS

County of § Bexar

BEFORE ME, the undersigned authority, on this day personally appeared Gary Norsworthy known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that (s)he executed same for the purpose and consideration therein expressed.

GIVEN under my hand and seal of office on this 23 day of July 2024

Sharon Dallal

NOTARY PUBLIC

Sharon Dallal

Typed or Printed Name of Notary

MY COMMISSION EXPIRES: January 9, 2028

Application Fee Form (TCEQ-0574)

Application Fee Form

Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: AFHC Parking Expansion

Regulated Entity Location: Hollywood Park, Bexar County

Name of Customer: Alamo Feline Health Center, PA

Contact Person: Gary Norsworthy Phone: 210-404-2287

Customer Reference Number (if issued):CN _____

Regulated Entity Reference Number (if issued):RN _____

Austin Regional Office (3373)

☐ Hays ☐ Travis ☐ Williamson

San Antonio Regional Office (3362)

☑ Bexar ☐ Medina ☐ Uvalde

☐ Comal ☐ Kinney

Application fees must be paid by check, certified check, or money order, payable to the **Texas Commission on Environmental Quality**. Your canceled check will serve as your receipt. **This form must be submitted with your fee payment**. This payment is being submitted to:

☐ Austin Regional Office

☐ Mailed to: TCEQ - Cashier
Revenues Section
Mail Code 214
P.O. Box 13088
Austin, TX 78711-3088

☑ San Antonio Regional Office

☐ Overnight Delivery to: TCEQ - Cashier
12100 Park 35 Circle
Building A, 3rd Floor
Austin, TX 78753
(512)239-0357

Site Location (Check All That Apply):

☑ Recharge Zone ☐ Contributing Zone ☐ Transition Zone

Type of Plan	***Size***	***Fee Due***
Water Pollution Abatement Plan, Contributing Zone Plan: One Single Family Residential Dwelling	Acres	$
Water Pollution Abatement Plan, Contributing Zone Plan: Multiple Single Family Residential and Parks	Acres	$
Water Pollution Abatement Plan, Contributing Zone Plan: Non-residential	Acres	$ 3,000
Sewage Collection System	L.F.	$
Lift Stations without sewer lines	Acres	$
Underground or Aboveground Storage Tank Facility	Tanks	$
Piping System(s)(only)	Each	$
Exception	Each	$
Extension of Time	Each	$

Signature: _____ Date: 6/28/24

Application Fee Schedule

Texas Commission on Environmental Quality
Edwards Aquifer Protection Program 30 TAC Chapter 213 (effective 05/01/2008)

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

Project	*Project Area in Acres*	*Fee*
One Single Family Residential Dwelling	< 5	$650
Multiple Single Family Residential and Parks	< 5 5 < 10 10 < 40 40 < 100 100 < 500 ≥ 500	$1,500 $3,000 $4,000 $6,500 $8,000 $10,000
Non-residential (Commercial, industrial, institutional, multi-family residential, schools, and other sites where regulated activities will occur)	< 1 1 < 5 5 < 10 10 < 40 40 < 100 ≥ 100	$3,000 $4,000 $5,000 $6,500 $8,000 $10,000

Organized Sewage Collection Systems and Modifications

Project	*Cost per Linear Foot*	*Minimum Fee-Maximum Fee*
Sewage Collection Systems	$0.50	$650 - $6,500

Underground and Aboveground Storage Tank System Facility Plans and Modifications

Project	*Cost per Tank or Piping System*	*Minimum Fee-Maximum Fee*
Underground and Aboveground Storage Tank Facility	$650	$650 - $6,500

Exception Requests

Project	*Fee*
Exception Request	$500

Extension of Time Requests

Project	*Fee*
Extension of Time Request	$150

Core Data Form (TCEQ-10400)

TCEQ Use Only

TCEQ Core Data Form

For detailed instructions on completing this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. Reason for Submission (*If other is checked please describe in space provided.*)

☒ New Permit, Registration or Authorization (*Core Data Form should be submitted with the program application.*)

☐ Renewal (*Core Data Form should be submitted with the renewal form*) ☐ Other

2. Customer Reference Number (*if issued*)	Follow this link to search for CN or RN numbers in Central Registry**	**3. Regulated Entity Reference Number** (*if issued*)
CN		**RN**

SECTION II: Customer Information

4. General Customer Information | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy)

☒ New Customer ☐ Update to Customer Information ☐ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).

6. Customer Legal Name (*If an individual, print last name first: eg: Doe, John*) *If new Customer, enter previous Customer below:*

Alamo Feline Health Center, PA

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** (*if applicable*)
0800427	74-2983816	74-2983816	

11. Type of Customer: ☐ Corporation ☐ Individual Partnership: ☐ General ☐ Limited
Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other ☐ Sole Proprietorship ☒ Other: Professional Association

12. Number of Employees
☐ 0-20 ☒ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher

13. Independently Owned and Operated?
☒ **Yes** ☐ **No**

14. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following*

☒ Owner ☐ Operator ☐ Owner & Operator
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant ☐ Other:

15. Mailing Address:	16201 San Pedro Ave.						
	City	Hollywood Park	**State**	TX	**ZIP**	78232	**ZIP + 4**

16. Country Mailing Information (*if outside USA*)	**17. E-Mail Address** (*if applicable*)
	gnors2287@gmail.com

18. Telephone Number	**19. Extension or Code**	**20. Fax Number** (*if applicable*)

(210) 404-2287		( ) -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information *(If 'New Regulated Entity" is selected, a new permit application is also required.)*

☒ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information

The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).

22. Regulated Entity Name *(Enter name of the site where the regulated action is taking place.)*

AFHC Parking Expansion

23. Street Address of the Regulated Entity: ***(No PO Boxes)***							
City		**State**		**ZIP**		**ZIP + 4**	
24. County							

If no Street Address is provided, fields 25-28 are required.

25. Description to Physical Location:	Approximately 210' west of the intersection of Chula Vista and US Hwy 281 S, on the north side of Chula Vista				
26. Nearest City			**State**	**Nearest ZIP Code**	
Town of Hollywood Park			TX	78232	

Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).

27. Latitude (N) In Decimal:	29.589433		**28. Longitude (W) In Decimal:**	98.475425	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
29	35	21.96	98	28	31.53

29. Primary SIC Code (4 digits)	**30. Secondary SIC Code** (4 digits)	**31. Primary NAICS Code** (5 or 6 digits)	**32. Secondary NAICS Code** (5 or 6 digits)
7521		812930	

33. What is the Primary Business of this entity? *(Do not repeat the SIC or NAICS description.)*

Proposed surface parking lot for employee/visitor parking

34. Mailing Address:	16201 San Pedro Ave.						
City	Hollywood Park	**State**	TX	**ZIP**	78232	**ZIP + 4**	
35. E-Mail Address:	gnors2287@gmail.com						

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(210) 404-2287		( ) -

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

☐ Dam Safety	☐ Districts	☒ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☒ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☐ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:

SECTION IV: Preparer Information

40. Name:	UP Engineering + Surveying	41. Title:	Engineer

42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(210) 774-5504		( ) -	ryan@upengineering.com

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	Alamo Feline Health Center, PA	Job Title:	
Name *(In Print)*:	Gary Norsworthy	Phone:	(210) 404-2287
Signature:	GNorsworthy	Date:	6/11/24